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FIG. 1C

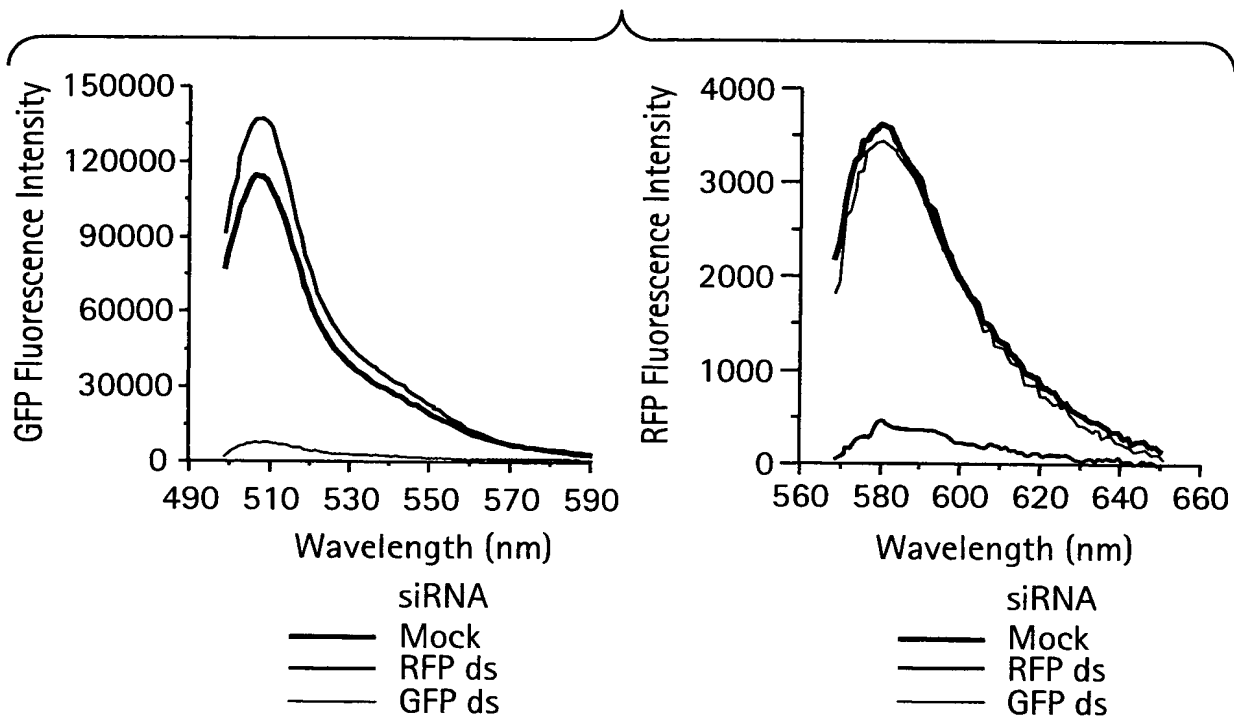
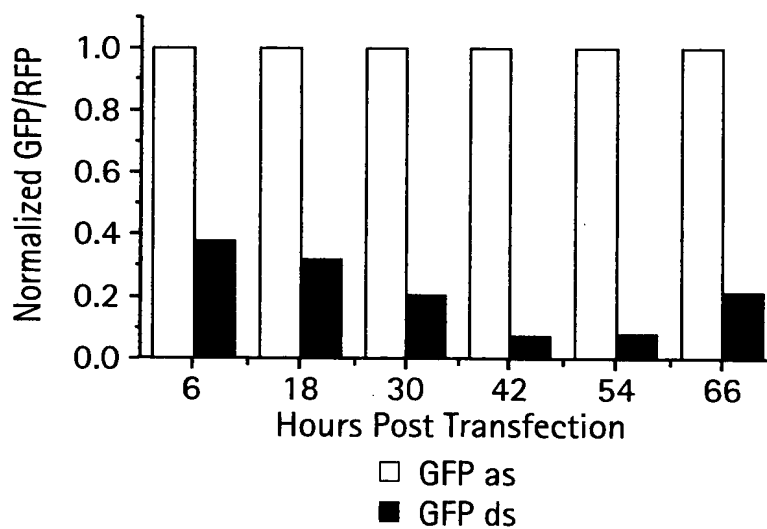


FIG. 1D



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FIG. 1E

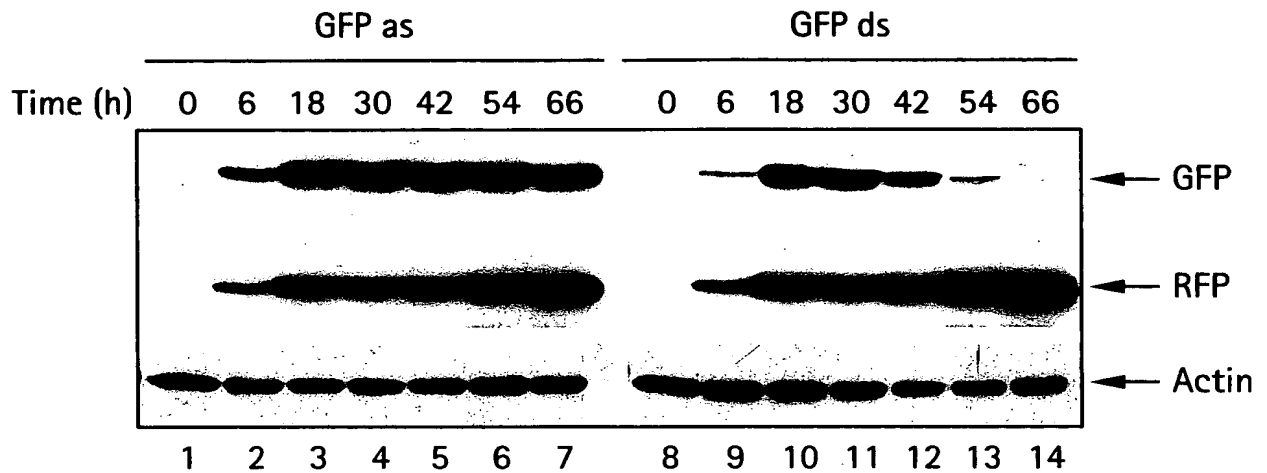


FIG. 1F

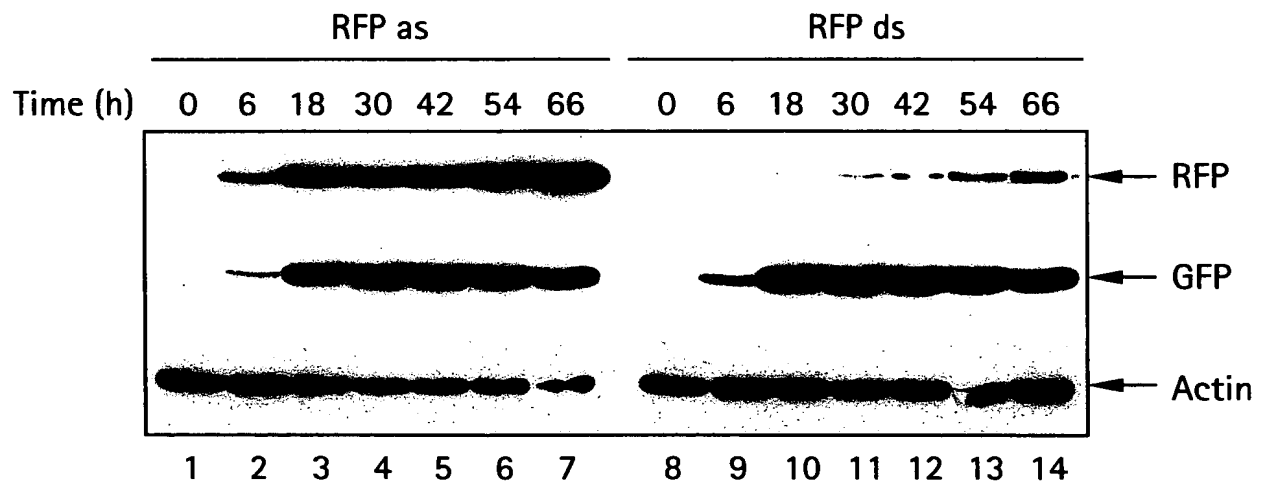
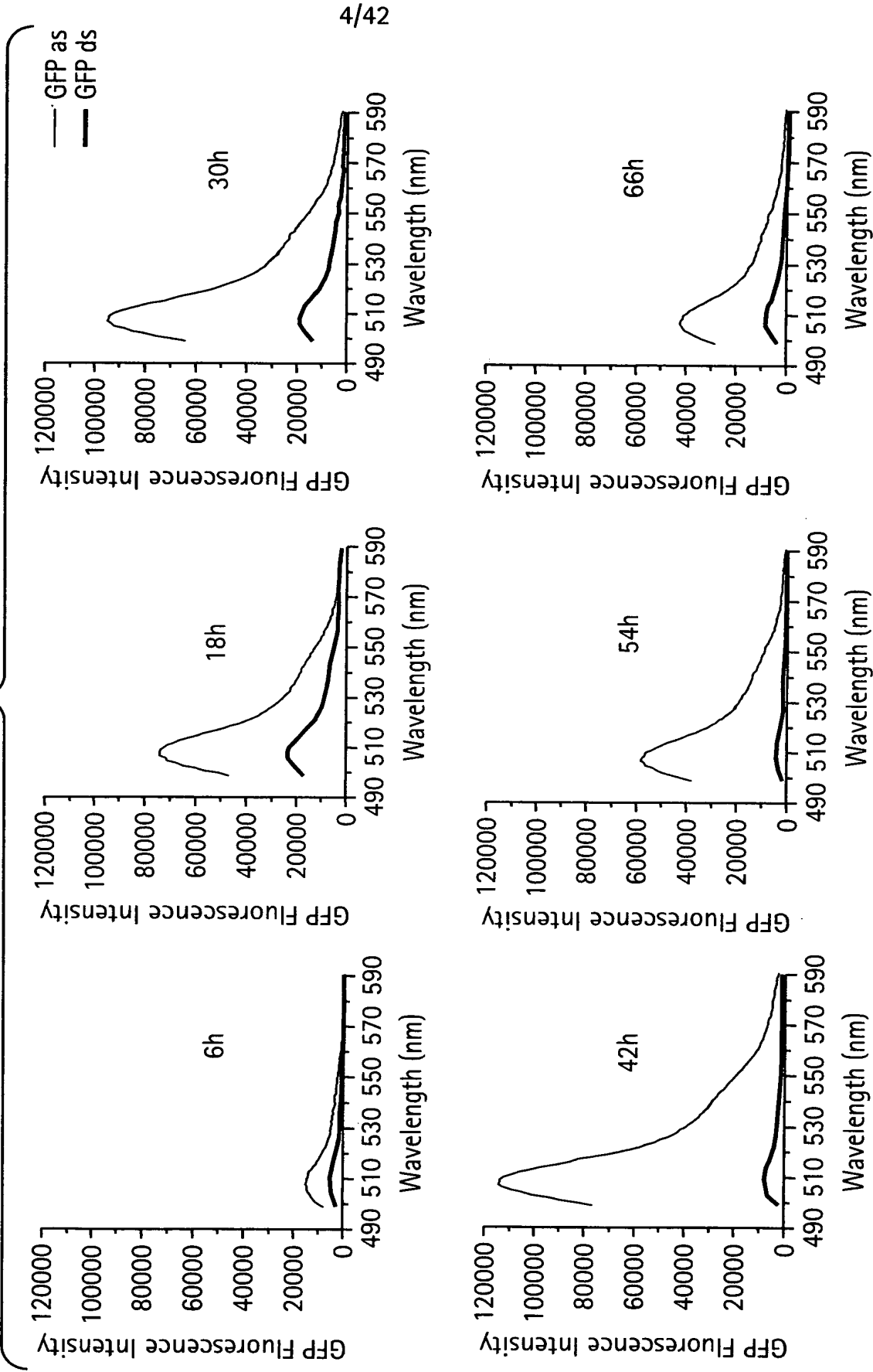
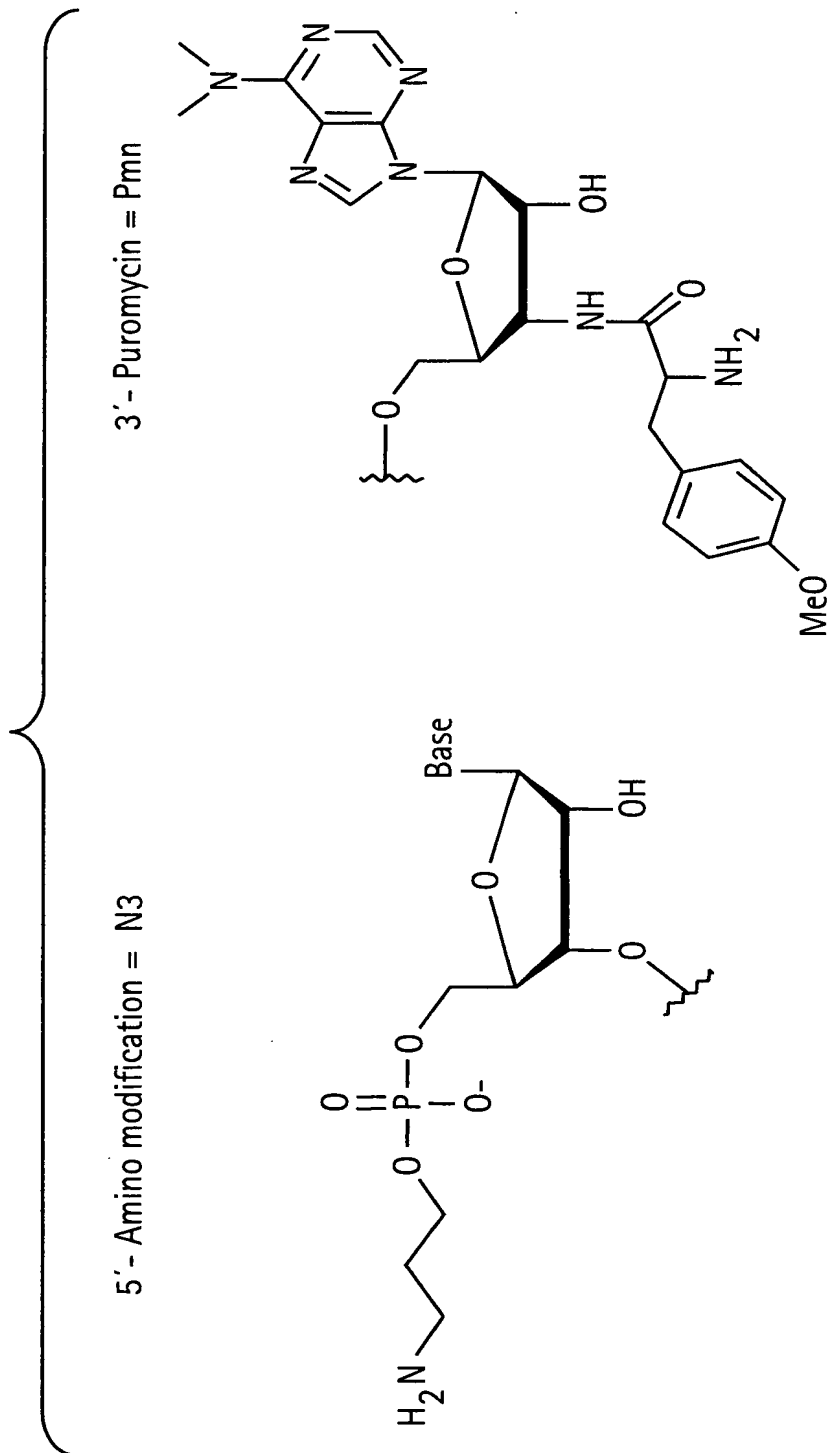


FIG. 1G



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FIG. 2A



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FIG. 2B

GFP siRNA	
<hr/>	
5' Modified siRNA	ds (WT) GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
	5'-N3ss/as N3 - GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
	ss/5'-N3as GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
	5'-N3ss/5'-N3as N3 - GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
	ss3'-Pmn/as GCAGCACGACUUCUUCAAGdTdT - Pmn dTdTTCGUCGUGCUGAAGAAGUUC
	ss/as3'-Pmn GCAGCACGACUUCUUCAAGdTdT Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
3' Modified siRNA	ss3'-Pmn/as3'-Pmn GCAGCACGACUUCUUCAAGdTdT - Pmn Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
	ss/as3'-Biotin GCAGCACGACUUCUUCAAGdTdT Biotin - dTdTTCGUCGUGCUGAAGAAGUUC
Bulge-containing siRNA	ss-bulge/as GCAGCACGA UG CUUCUUCAAGdTdT dTdTTCGUCGUGCU GAAGAAGUUC
	ss/as-bulge GCAGCACGA CUUCUUCAAGdTdT dTdTTCGUCGUGCU GAAGAAGUUC CA
	ss-bulge/as-bulge GCAGCACGA UG CUUCUUCAAGdTdT dTdTTCGUCGUGCU GAAGAAGUUC CA

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FIG. 3A

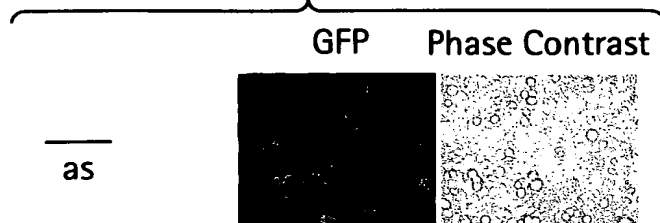


FIG. 3B

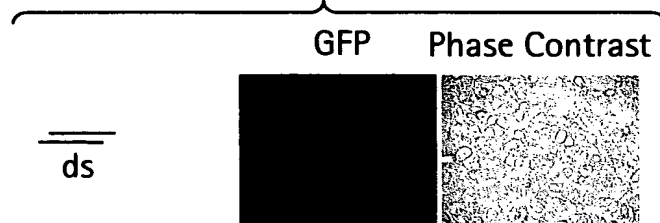


FIG. 3C

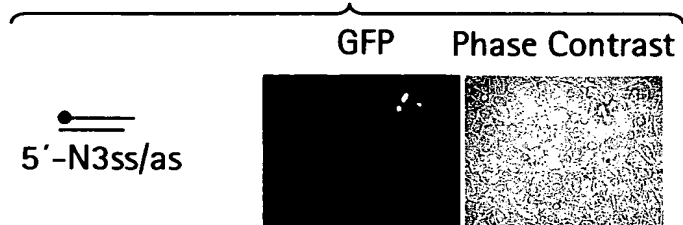
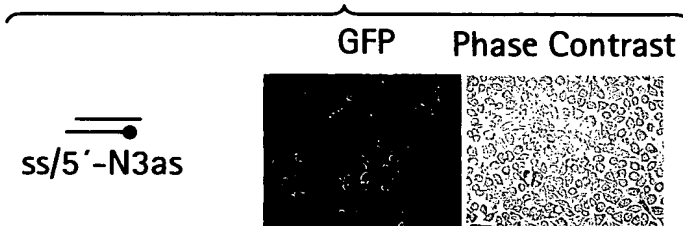


FIG. 3D



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FIG. 3E

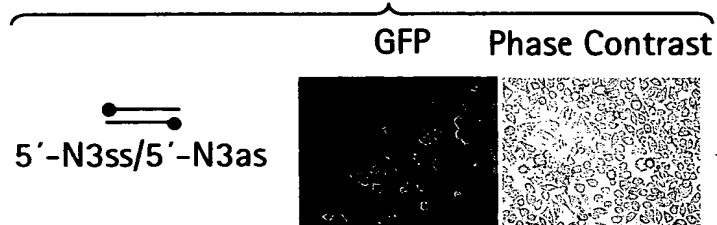


FIG. 3F

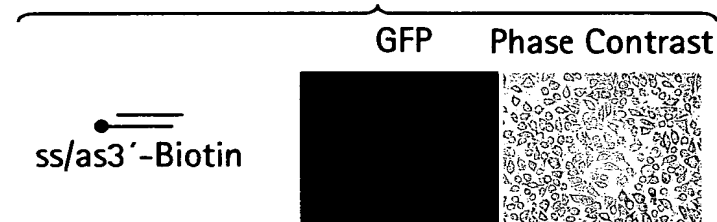


FIG. 3G

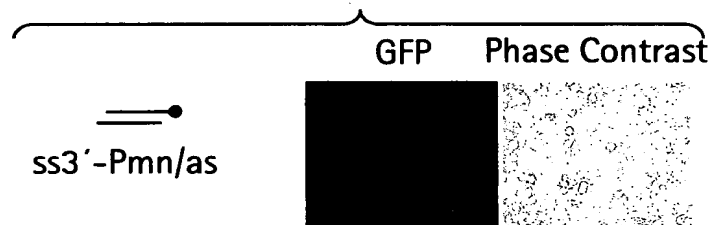
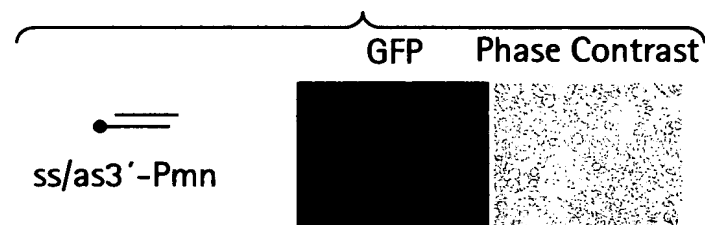


FIG. 3H



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FIG. 3I

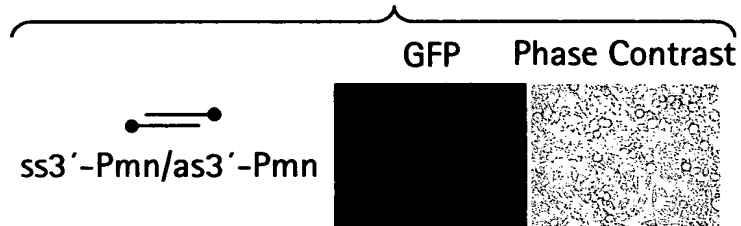


FIG. 3J

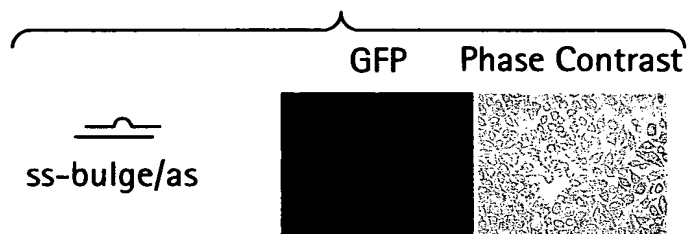


FIG. 3K

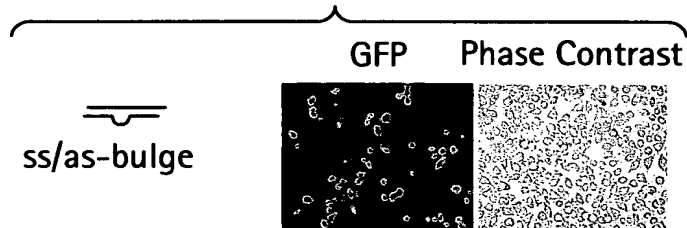
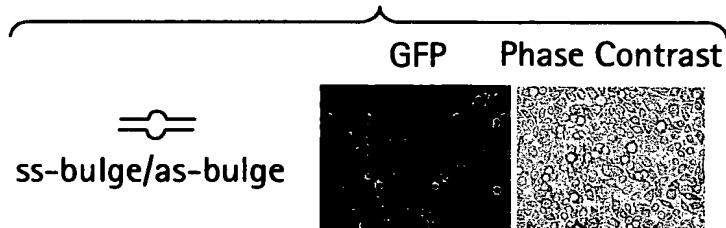
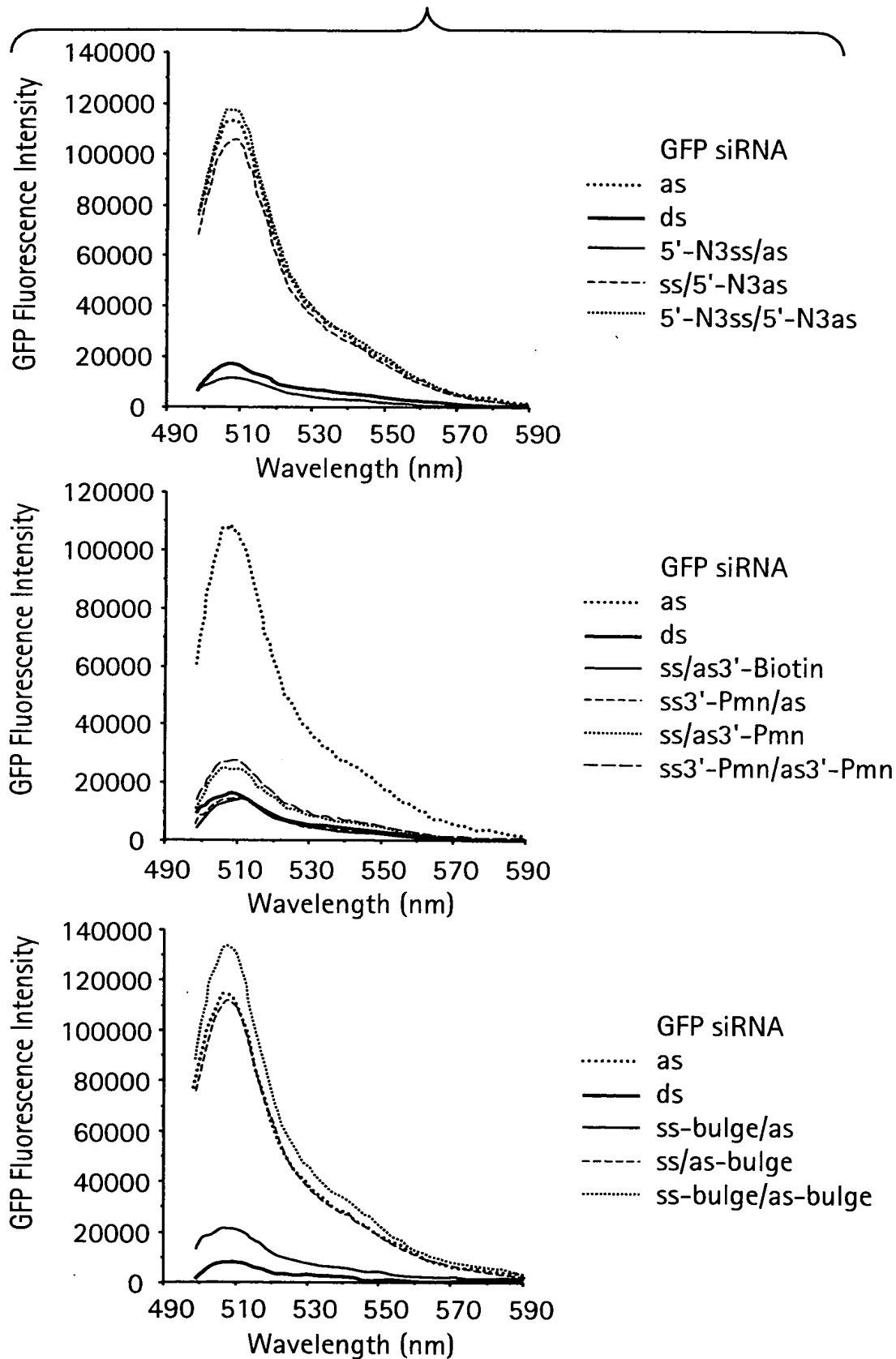


FIG. 3L



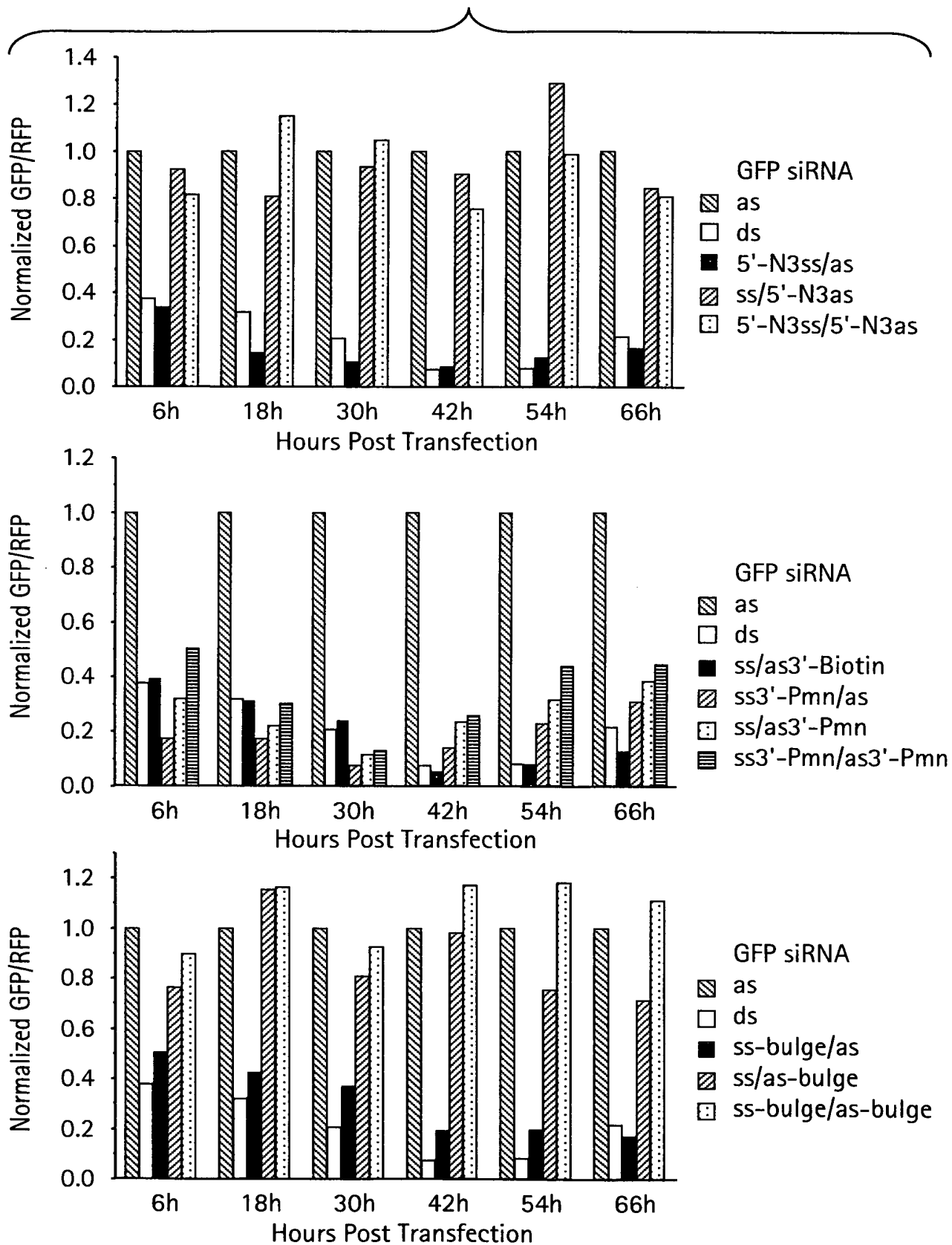
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FIG. 4A



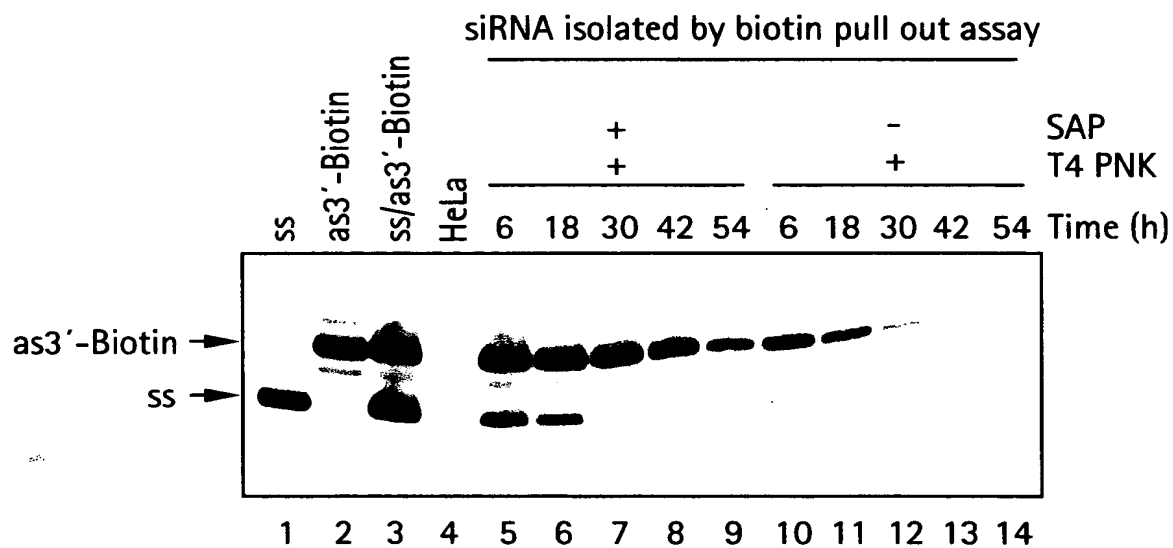
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FIG. 4B



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FIG. 5



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FIG. 6A

Psoralen (HMT)

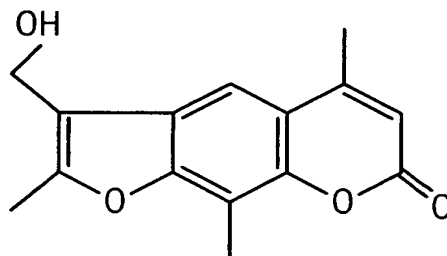
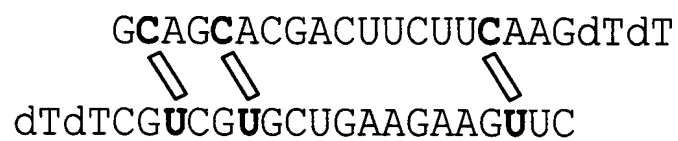


FIG. 6B

GFP ds siRNA



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FIG. 6C

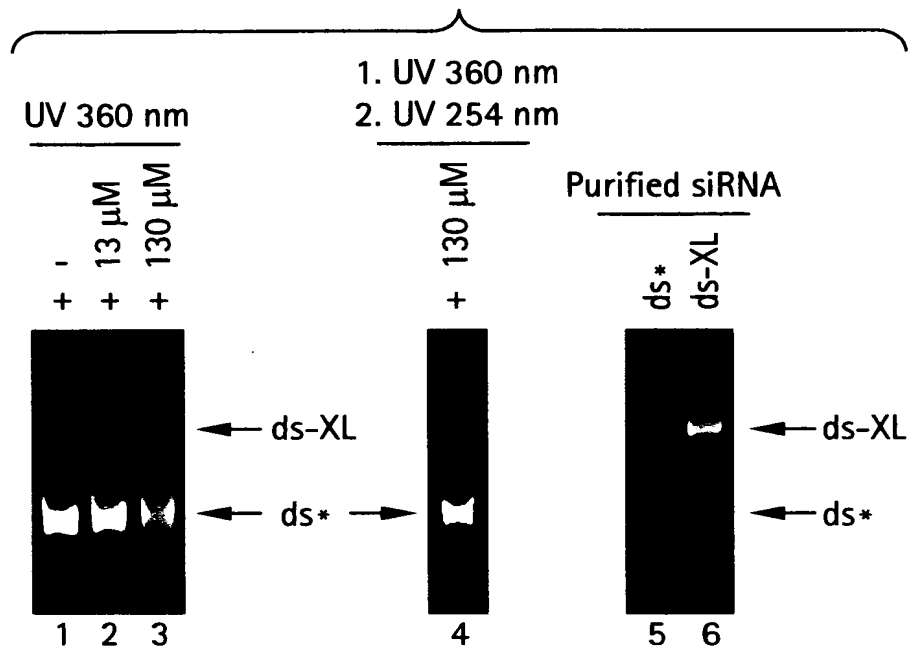
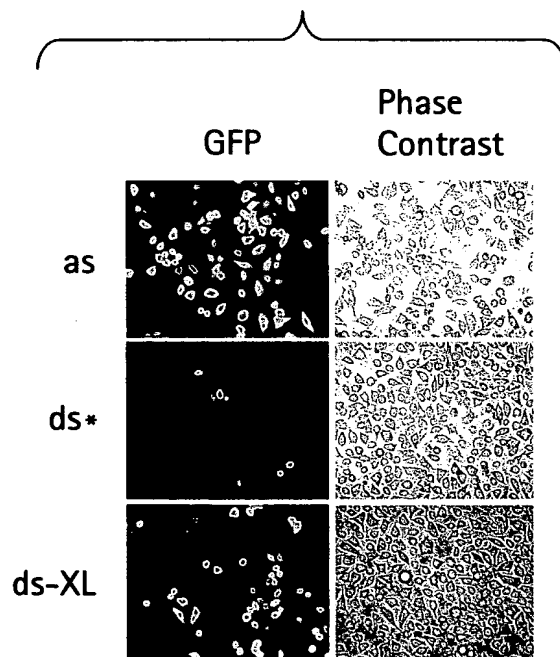
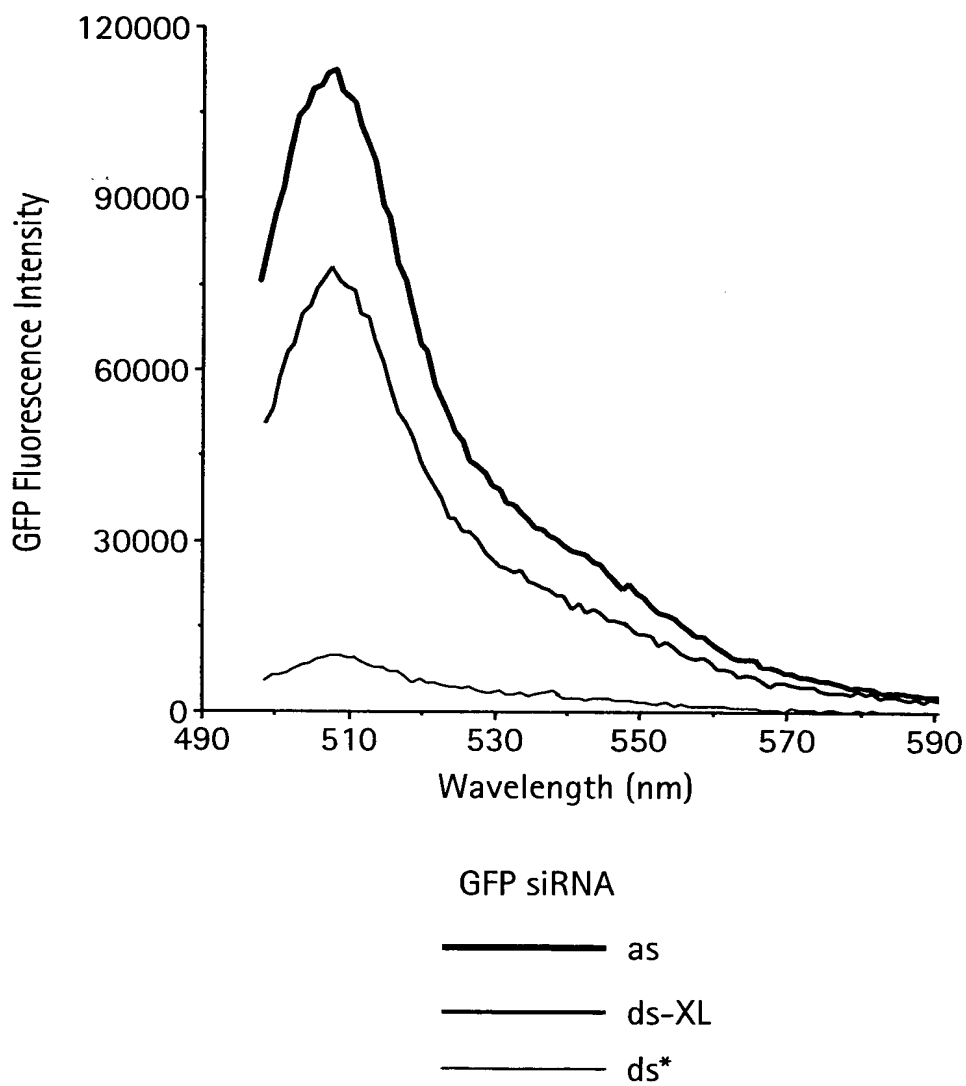


FIG. 6D



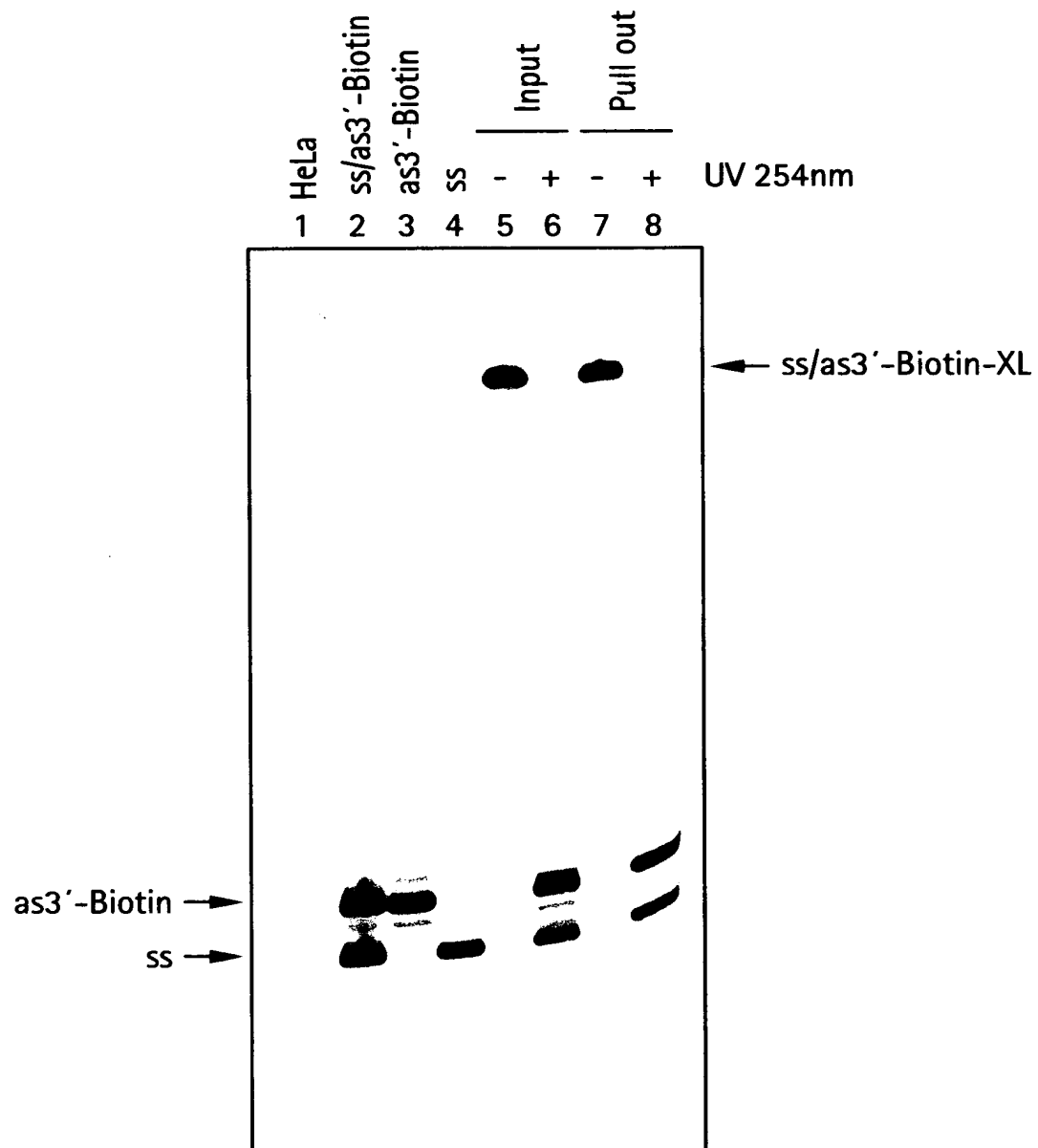
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FIG. 6E



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FIG. 7



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FIG. 8A

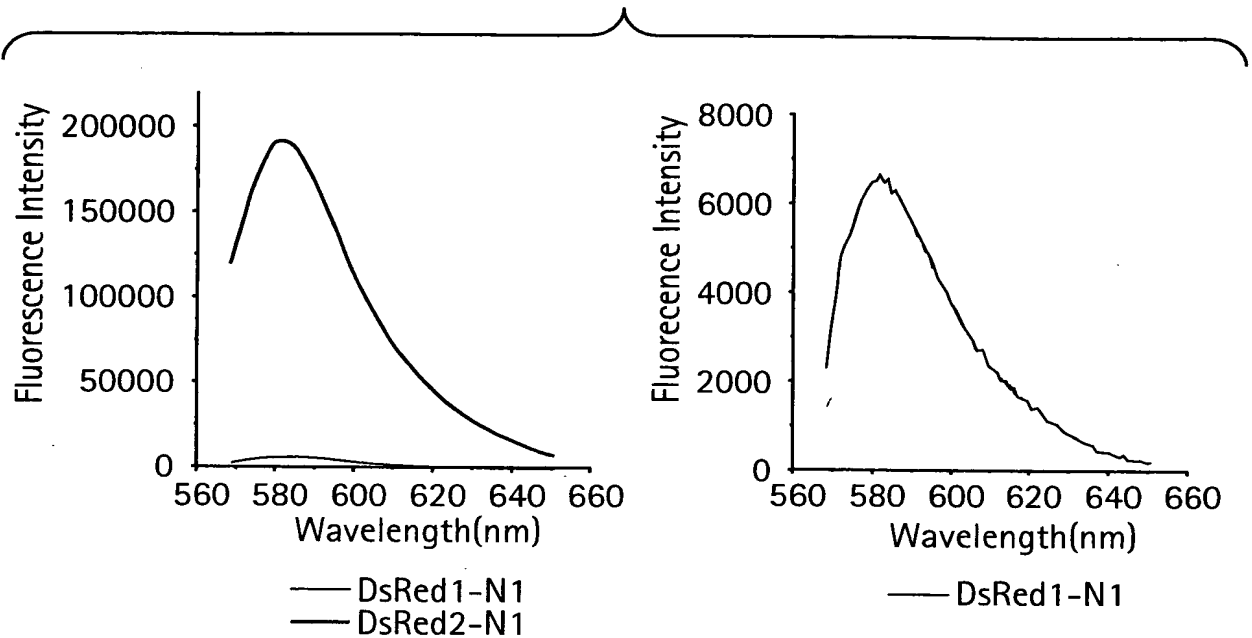


FIG. 8B

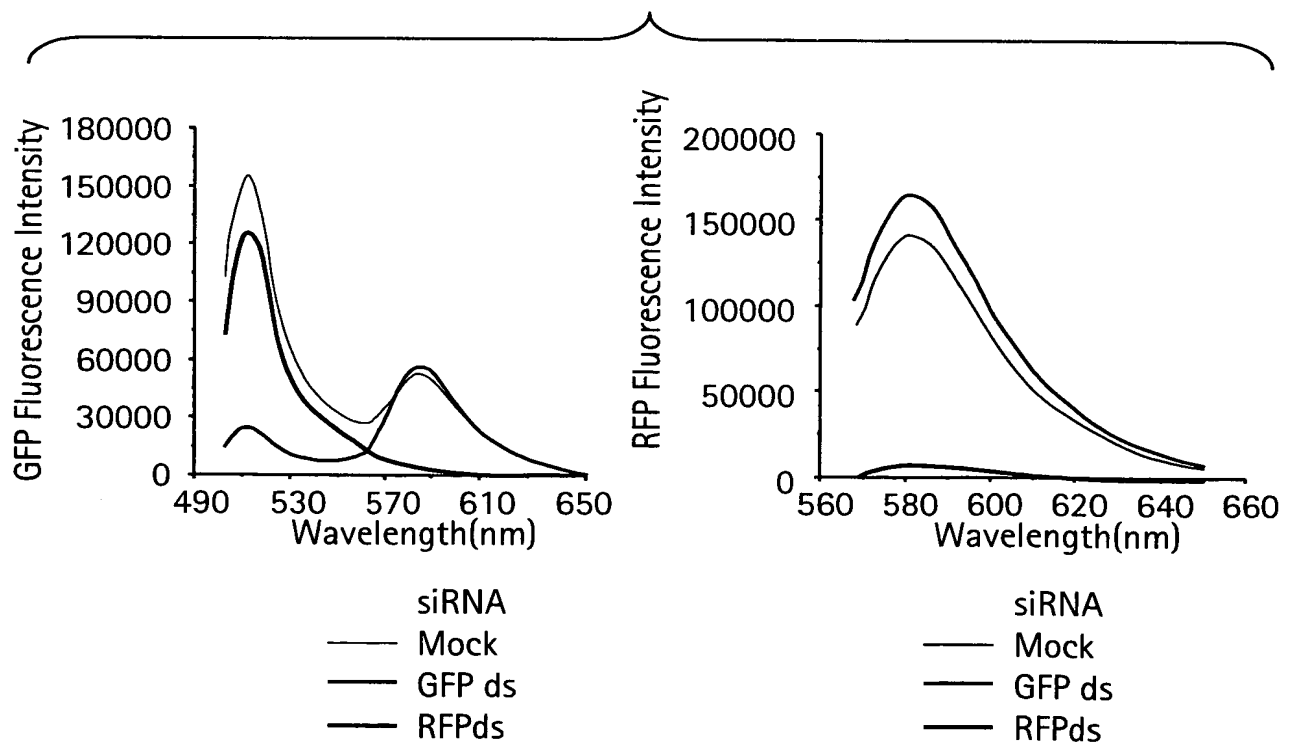
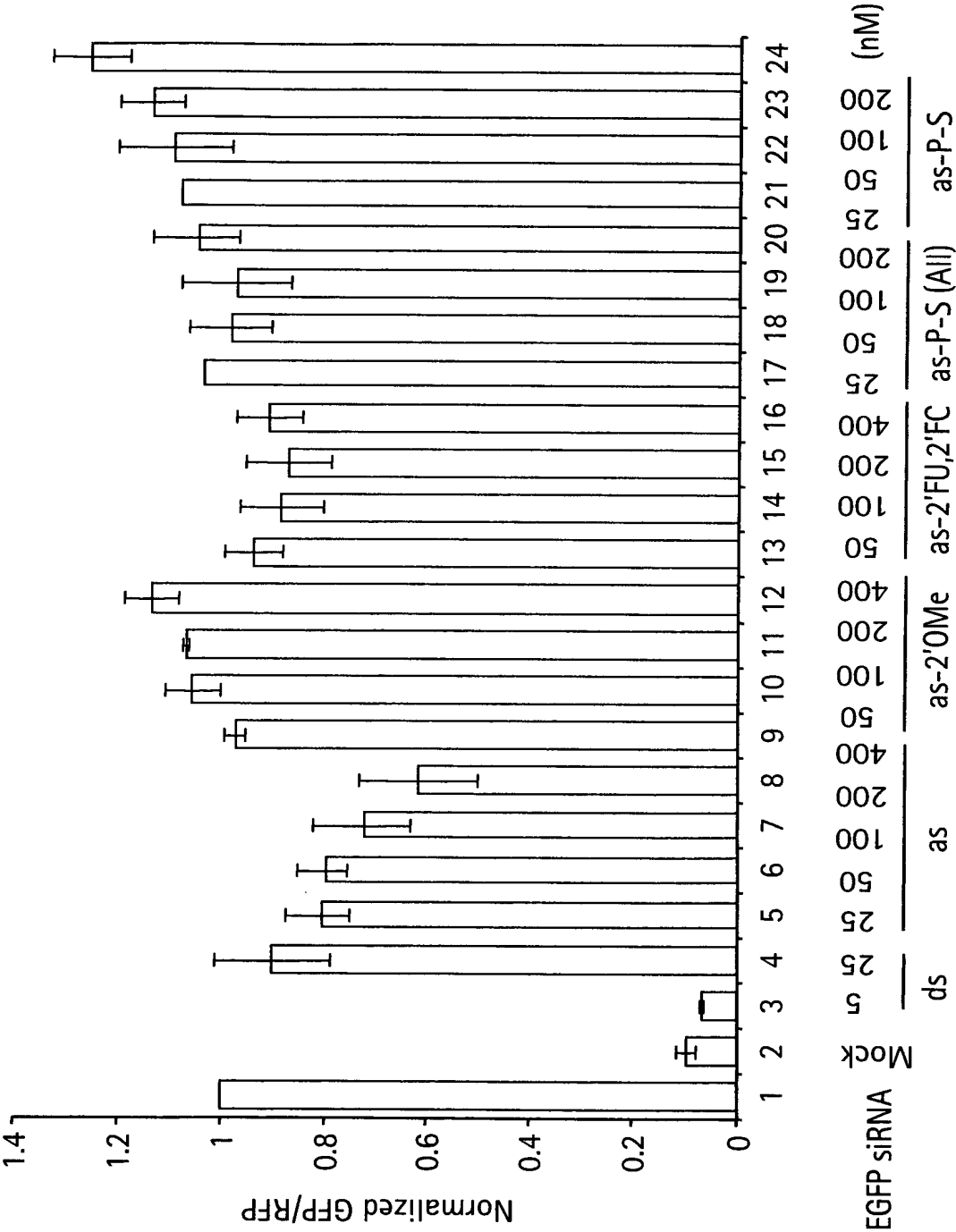
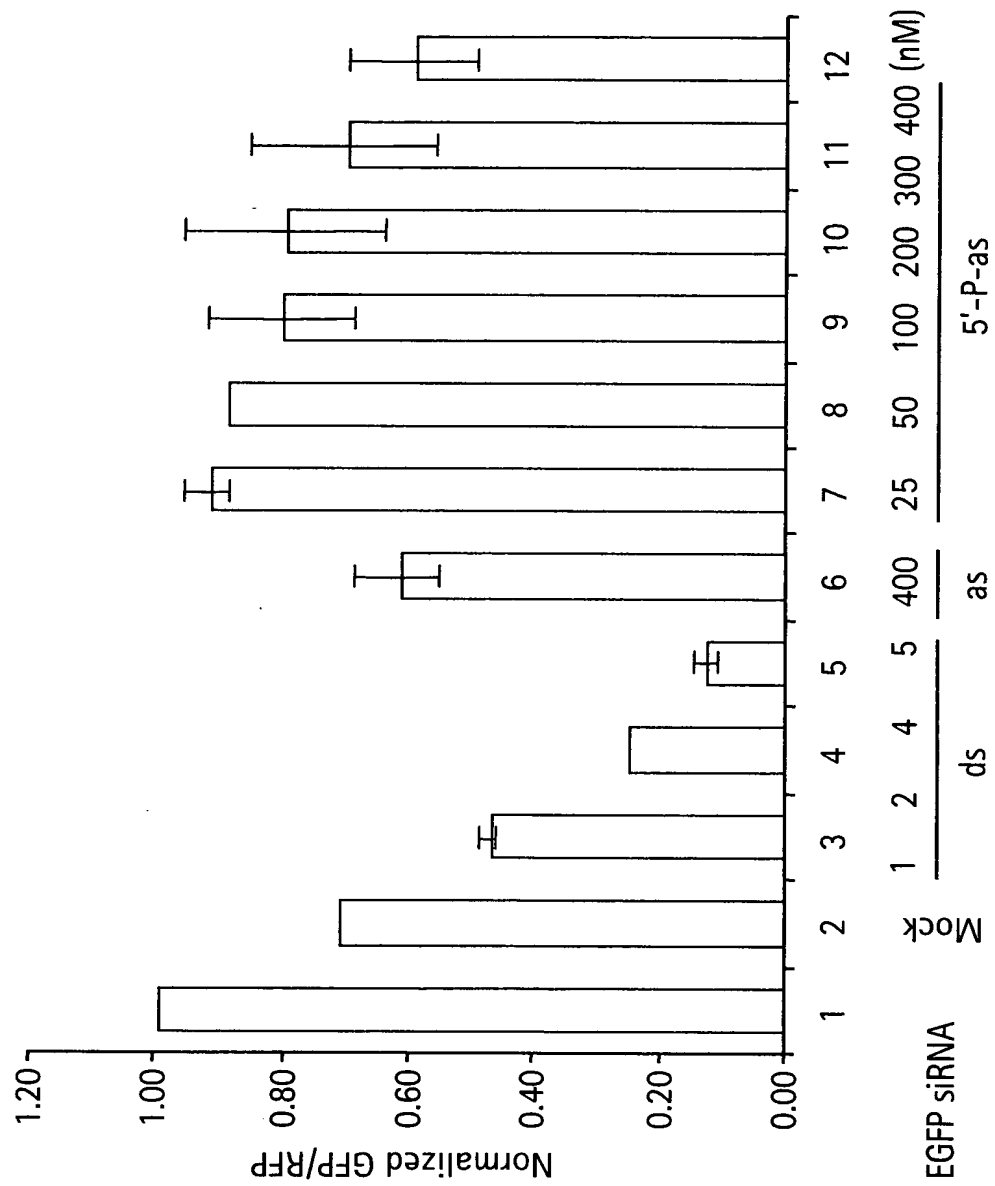


FIG. 9A



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FIG. 9B



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FIG. 10A

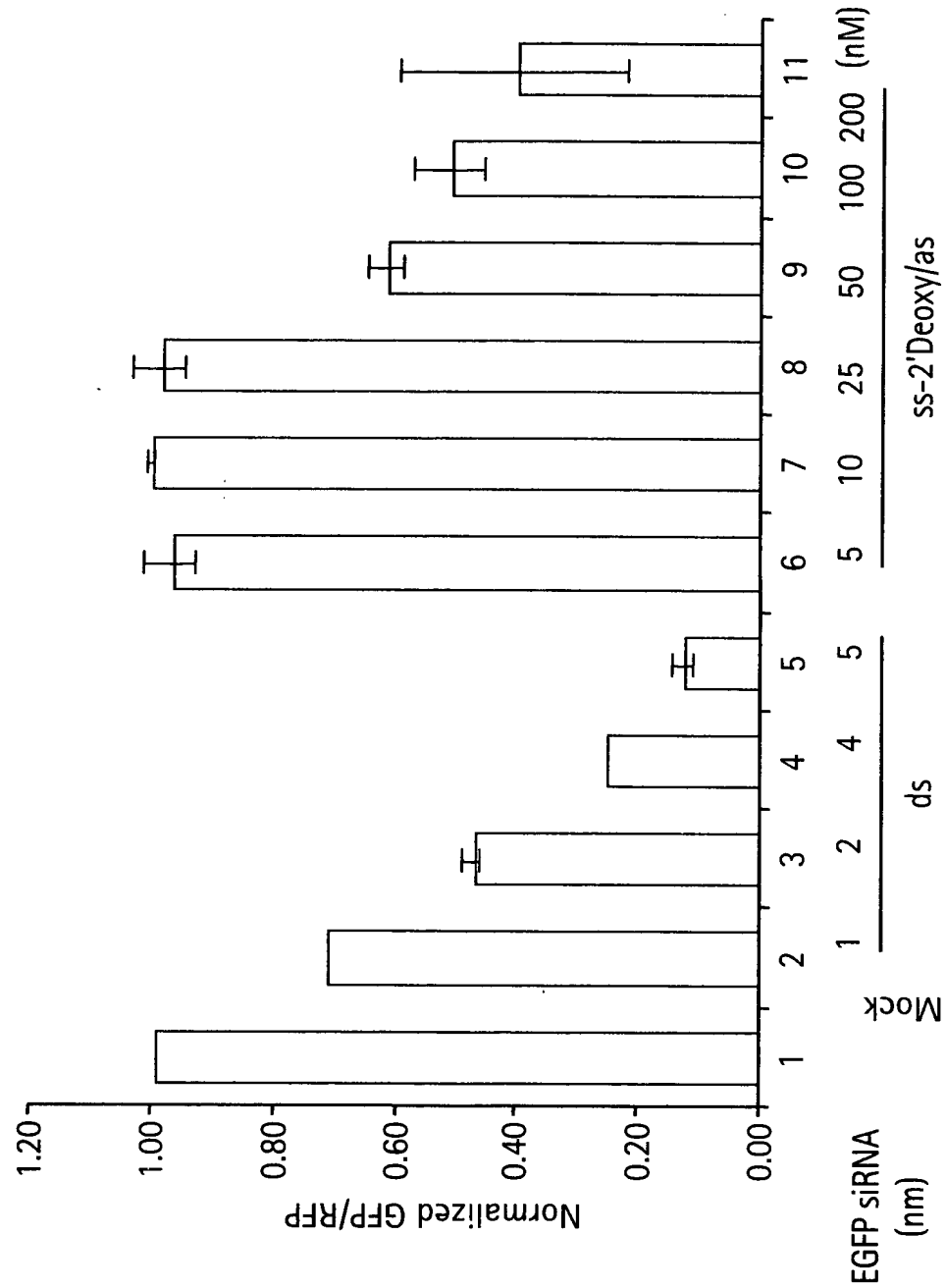
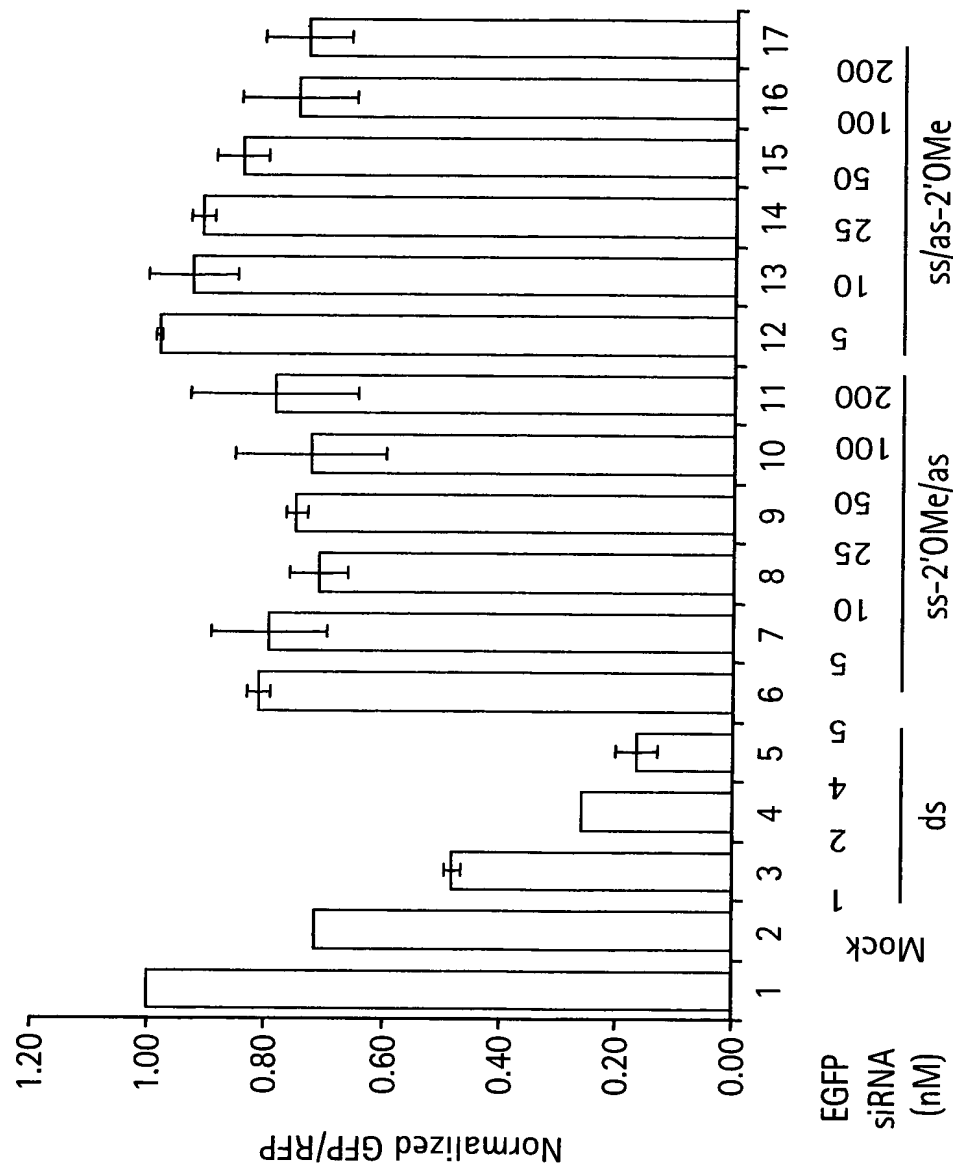


FIG. 10B



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FIG. 10C

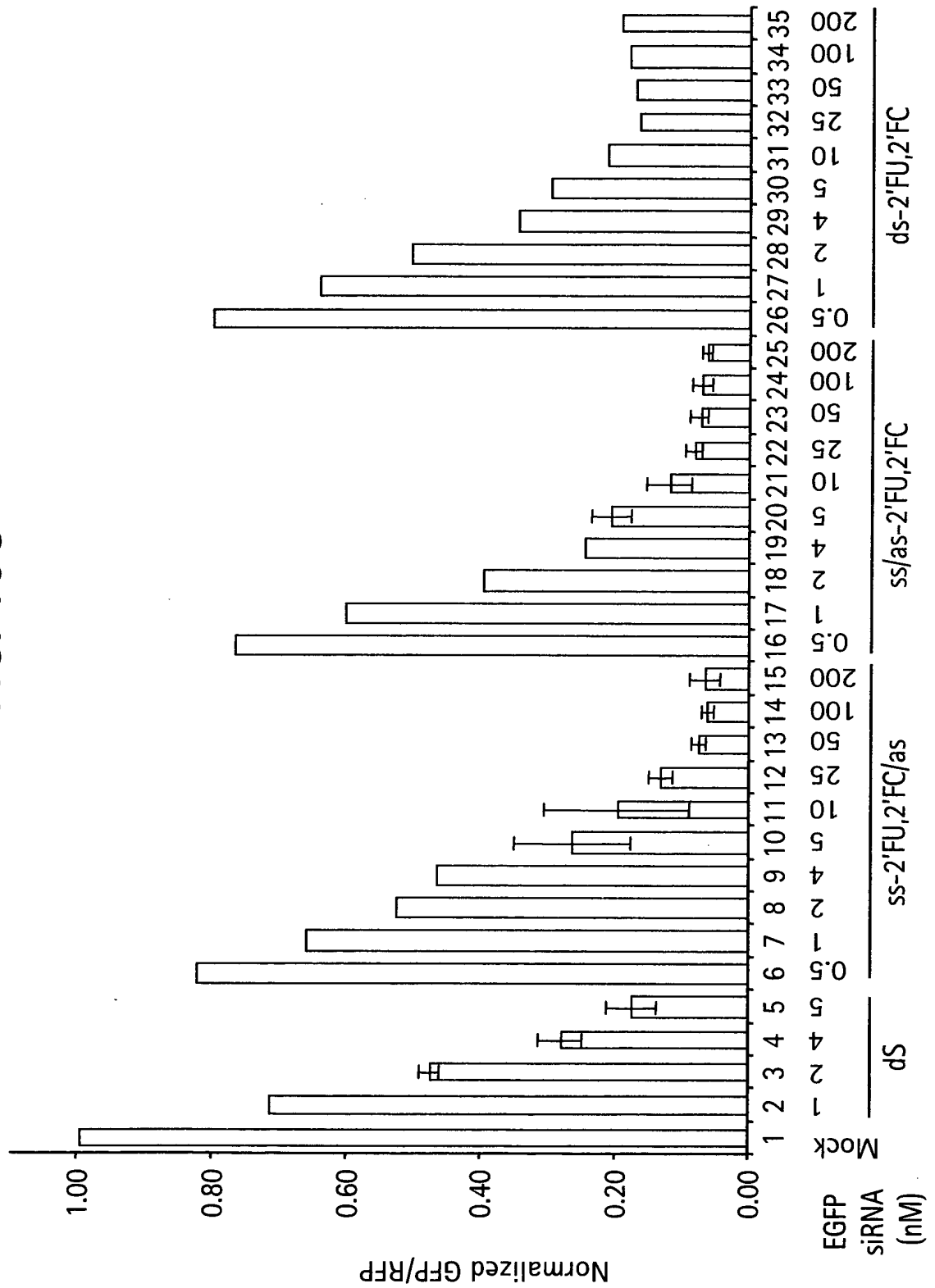


FIG. 10D

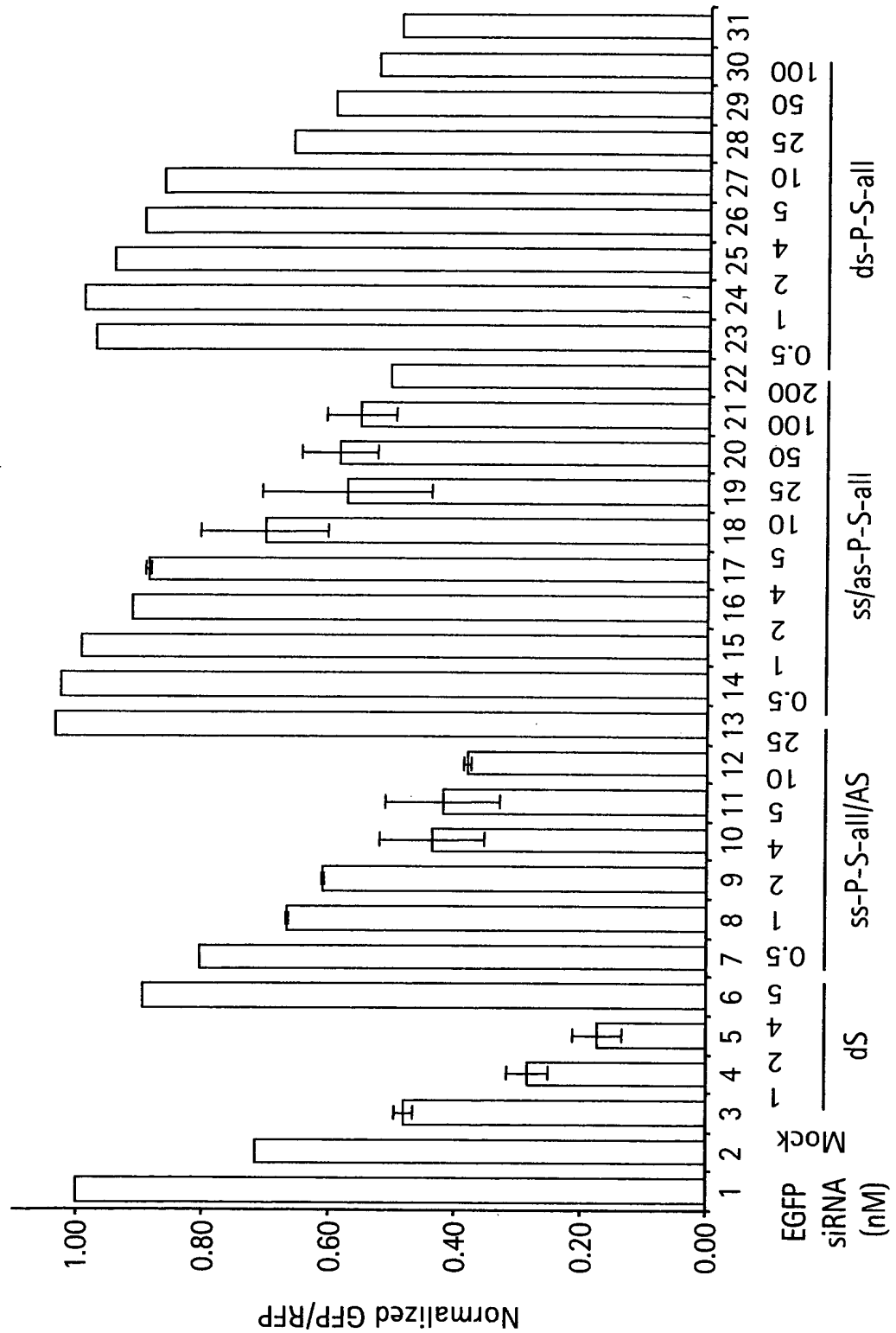
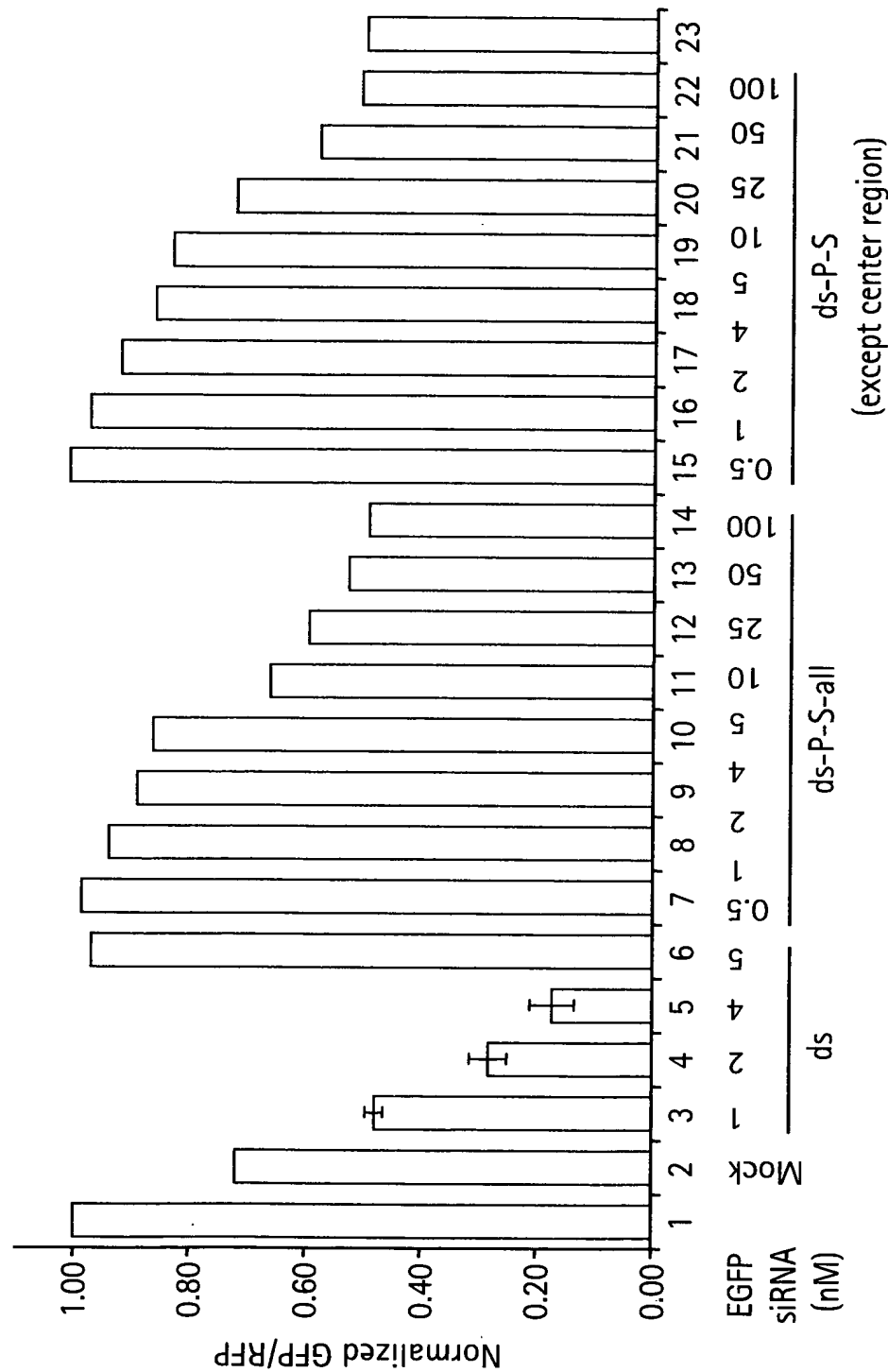
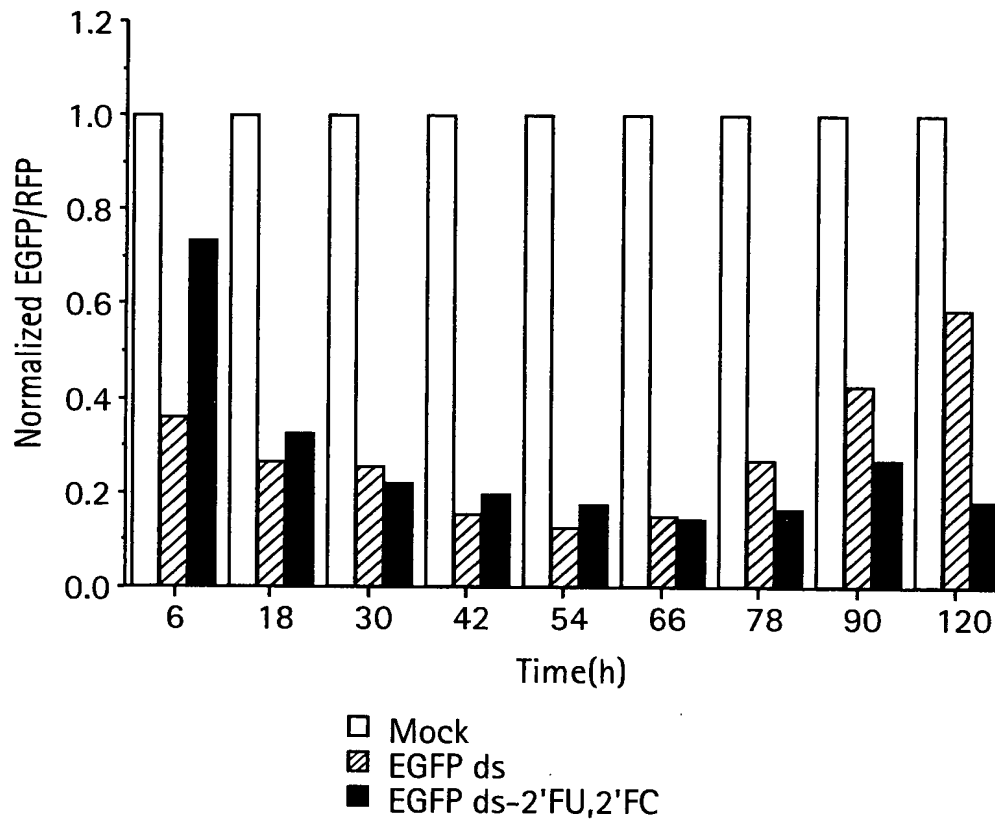


FIG. 10E



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FIG. 11



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FIG. 12A

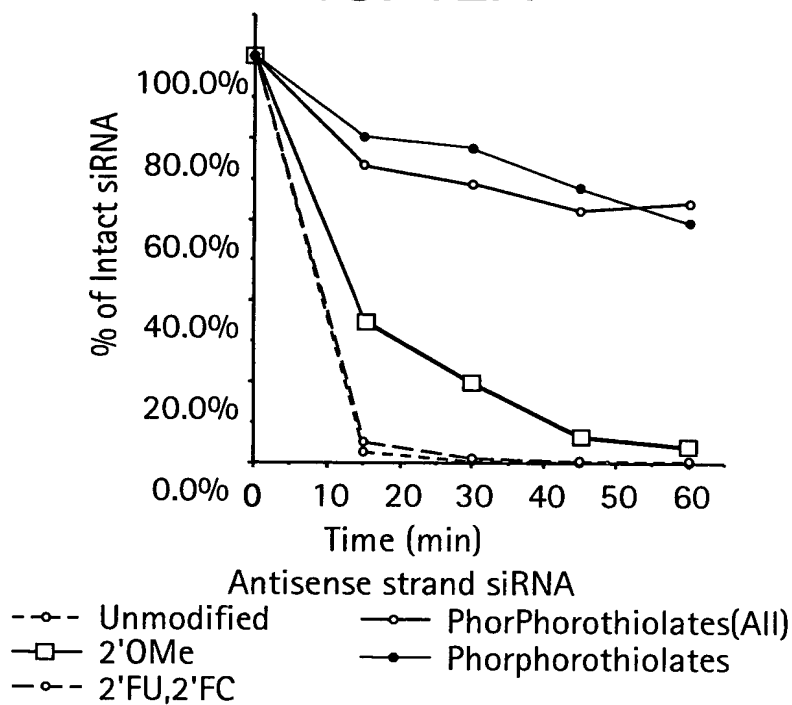
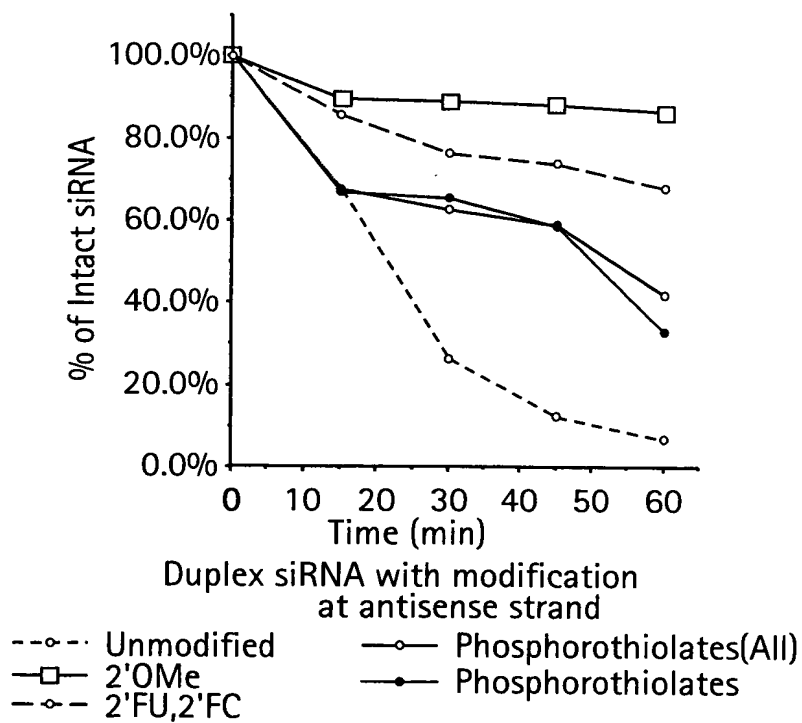


FIG. 12B



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FIG. 12C

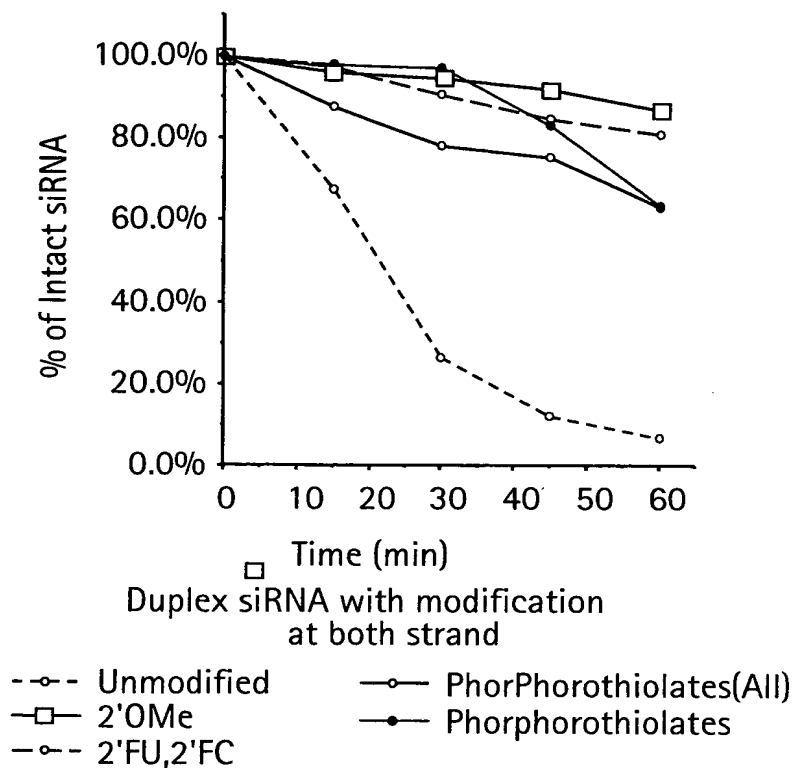
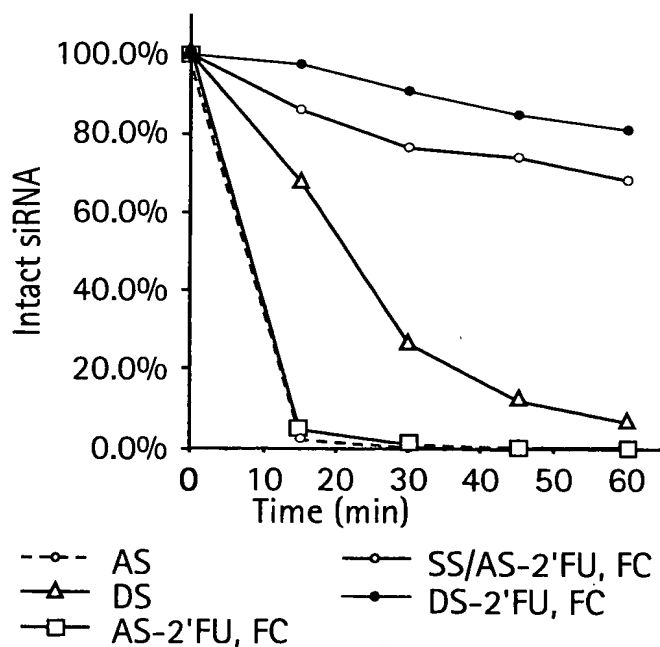
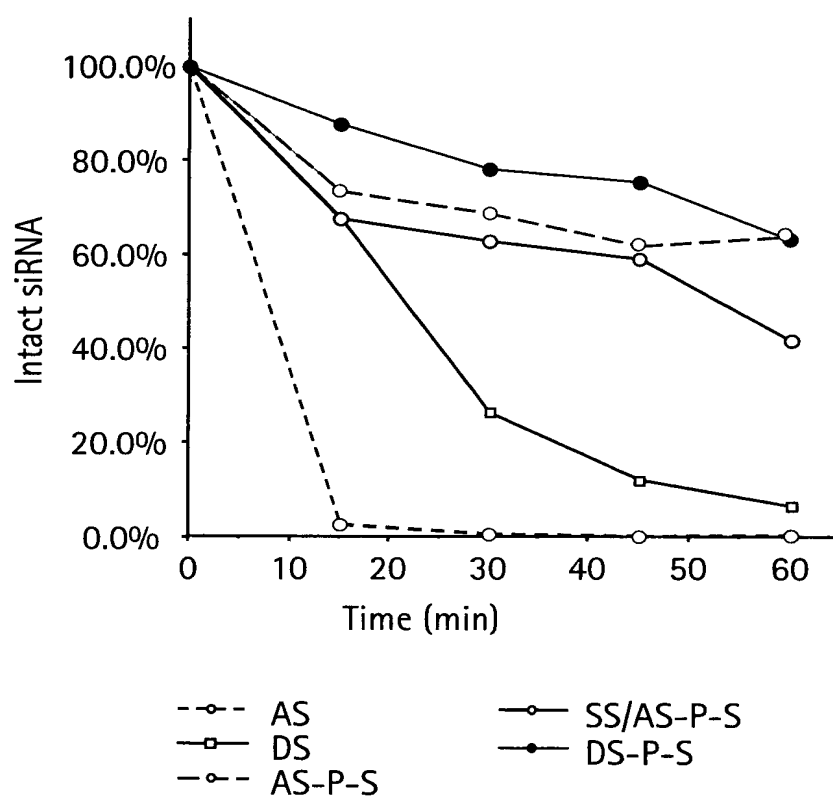


FIG. 12D



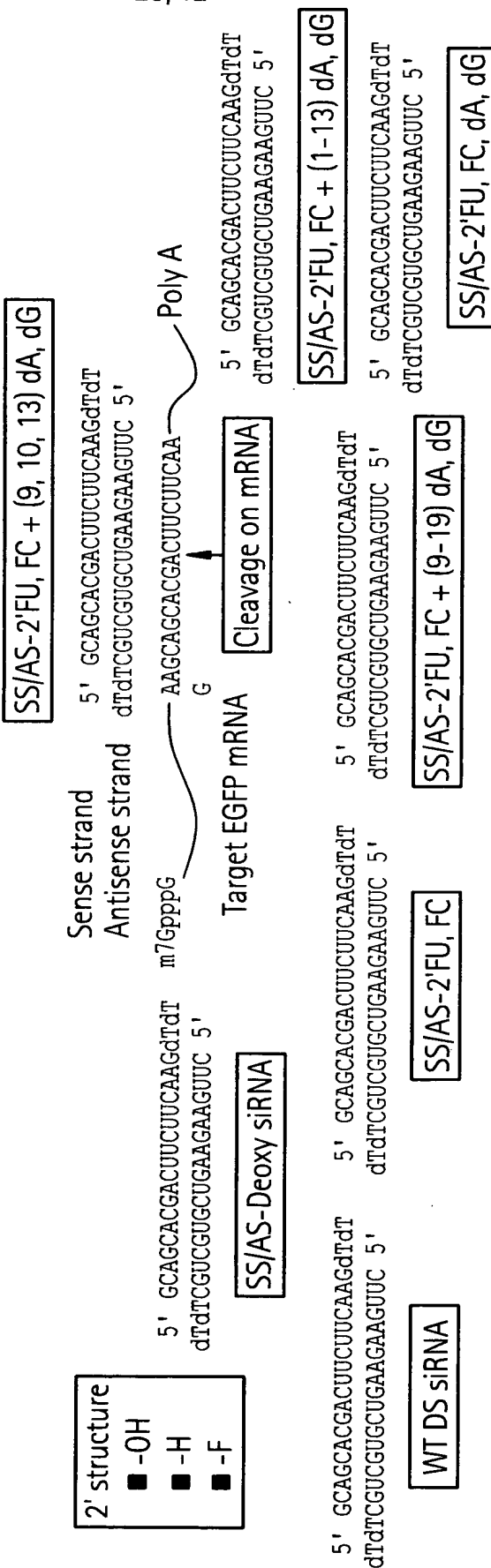
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FIG. 12E



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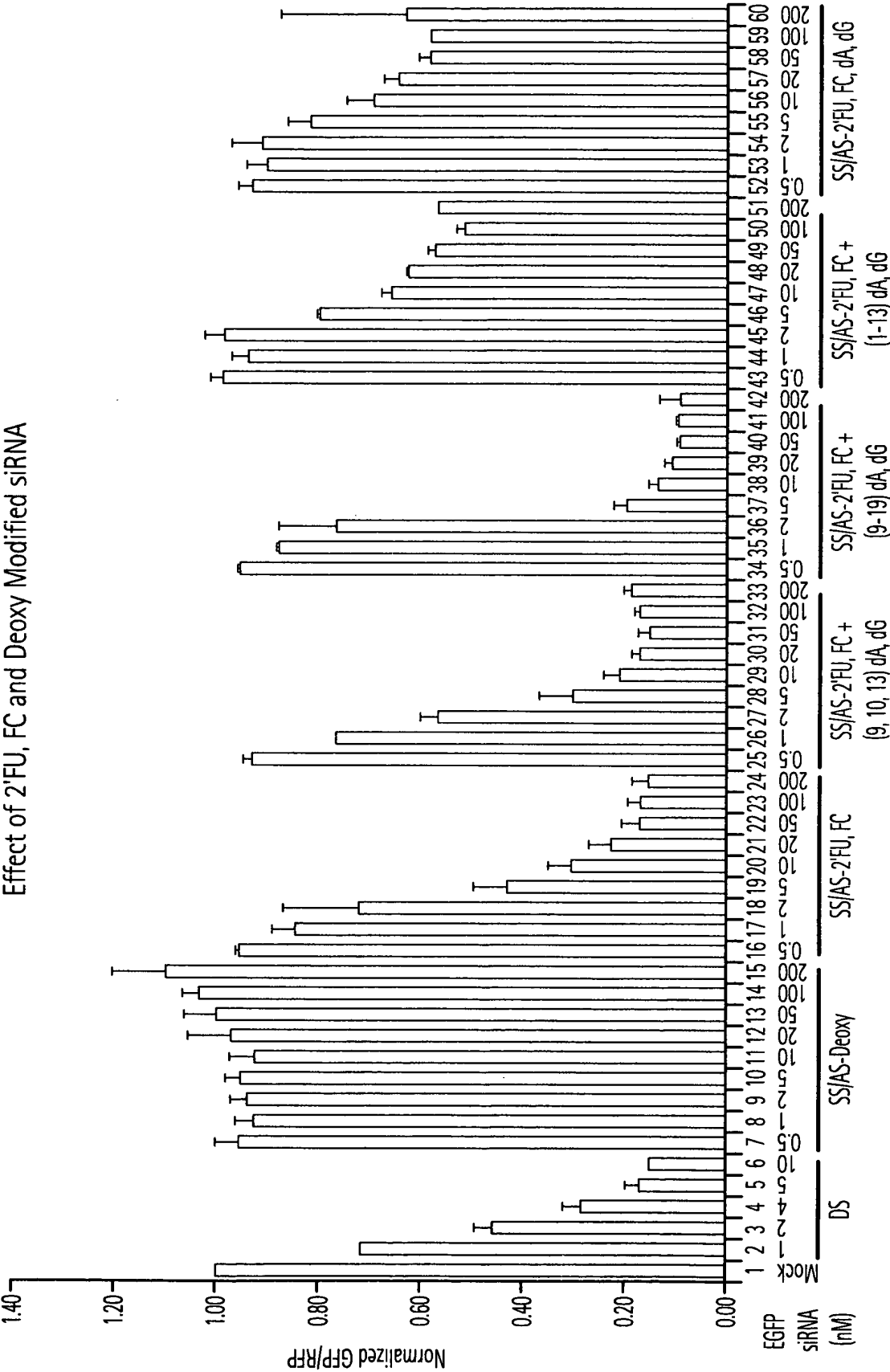
FIG. 13A



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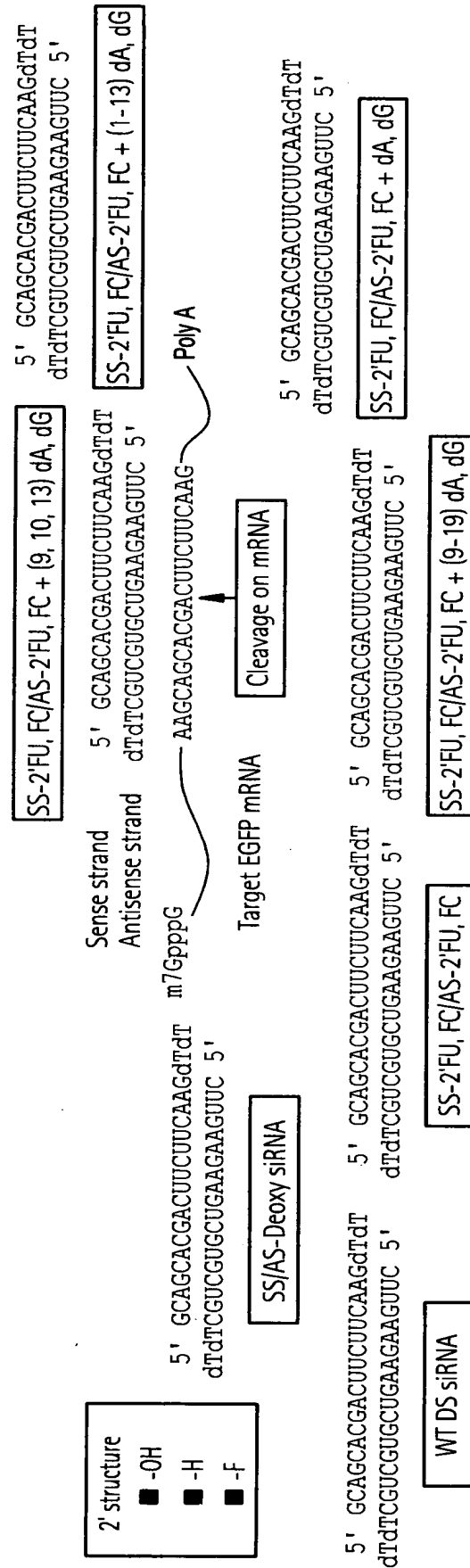
FIG. 13B

Effect of 2'FU, FC and Deoxy Modified siRNA



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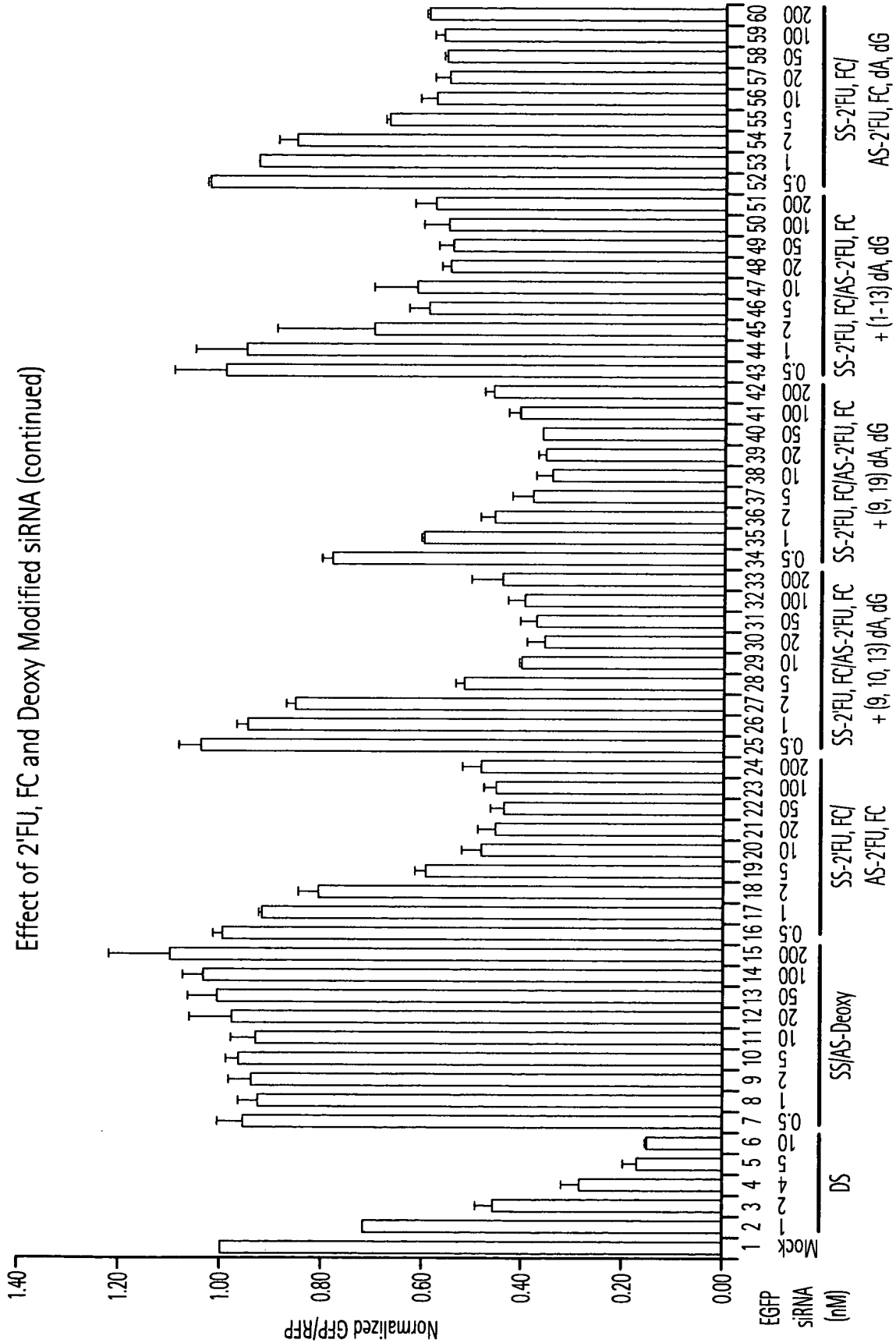
FIG. 13C



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FIG. 13D

Effect of 2'FU, FC and Deoxy Modified siRNA (continued)



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FIG. 14A

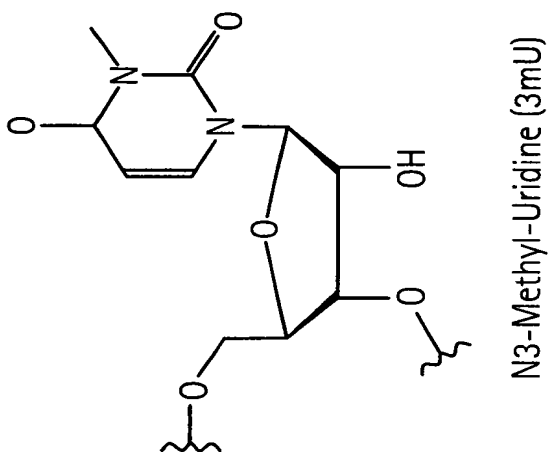
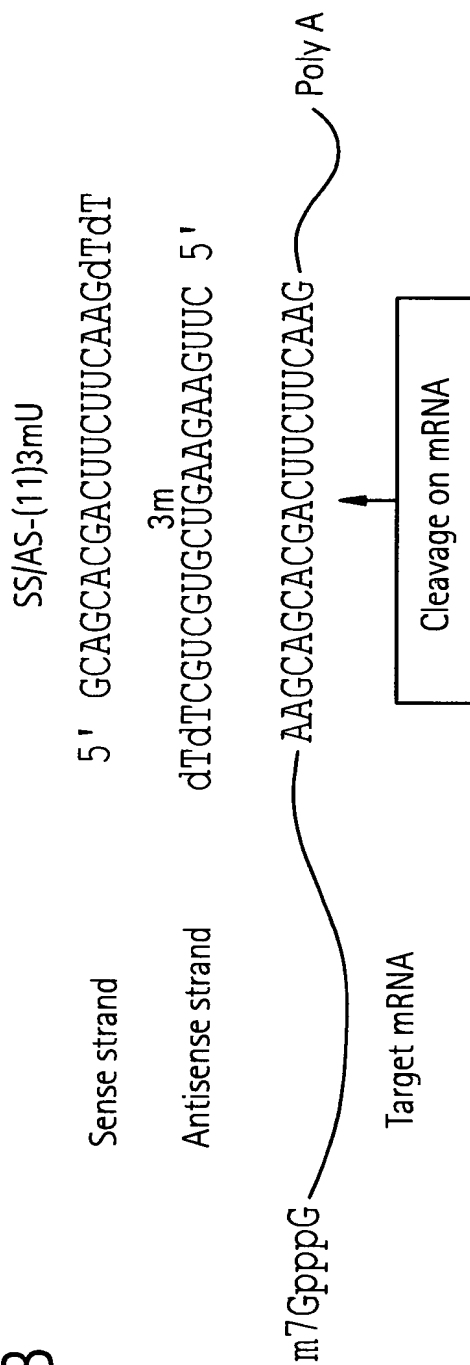
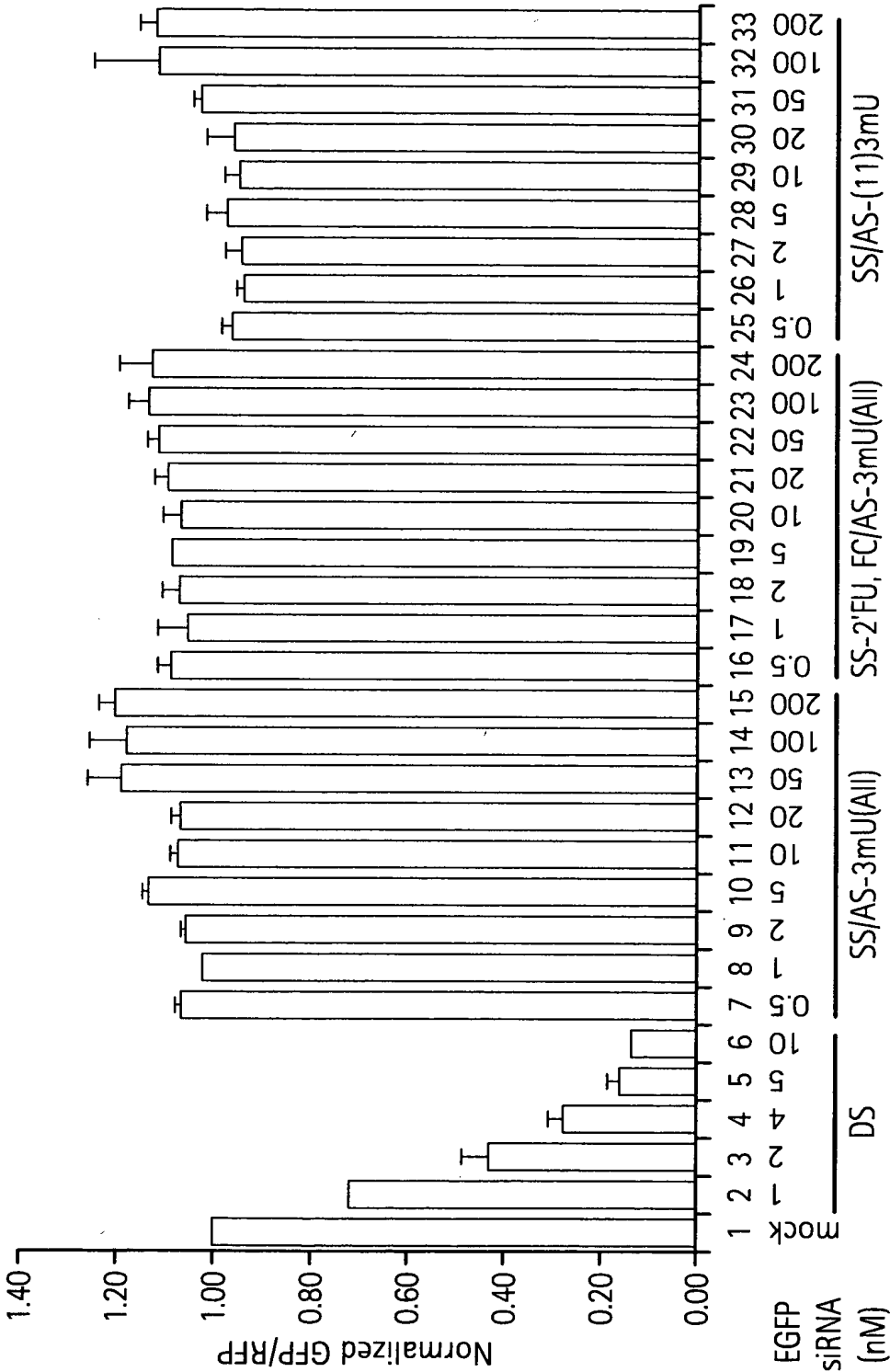


FIG. 14B



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FIG. 14C
Effect of 3mU Modified siRNA



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FIG. 15A

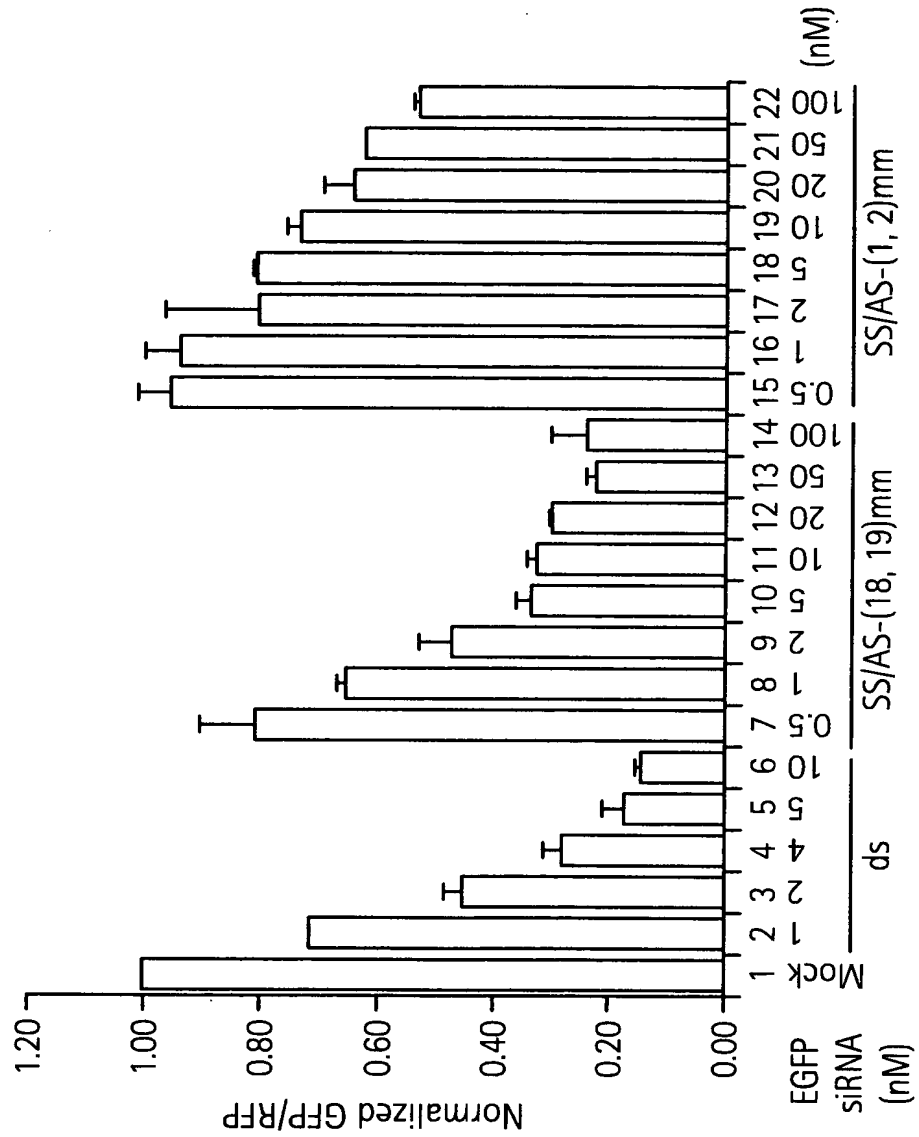
GCAGCAGACUUCUUAAGdTdT
 dTdTTCGUCGUGCUGAAGAAGUUC

FIG. 15B

GCAGCAGACUUCUUAAGdTdT GCAGCAGACUUCUUAAGdTdT GCAGCAGACUUCUUAAGdTdT
 dTdTTCGUCGUGAAGAAGUUC dTdTTCGUCGUGCUGAAGAAGUUC dTdTTCGUCGUGCUGAAGAAGUUC
 ds SS/AS-(18, 19)mm SS/AS-(1, 2)mm

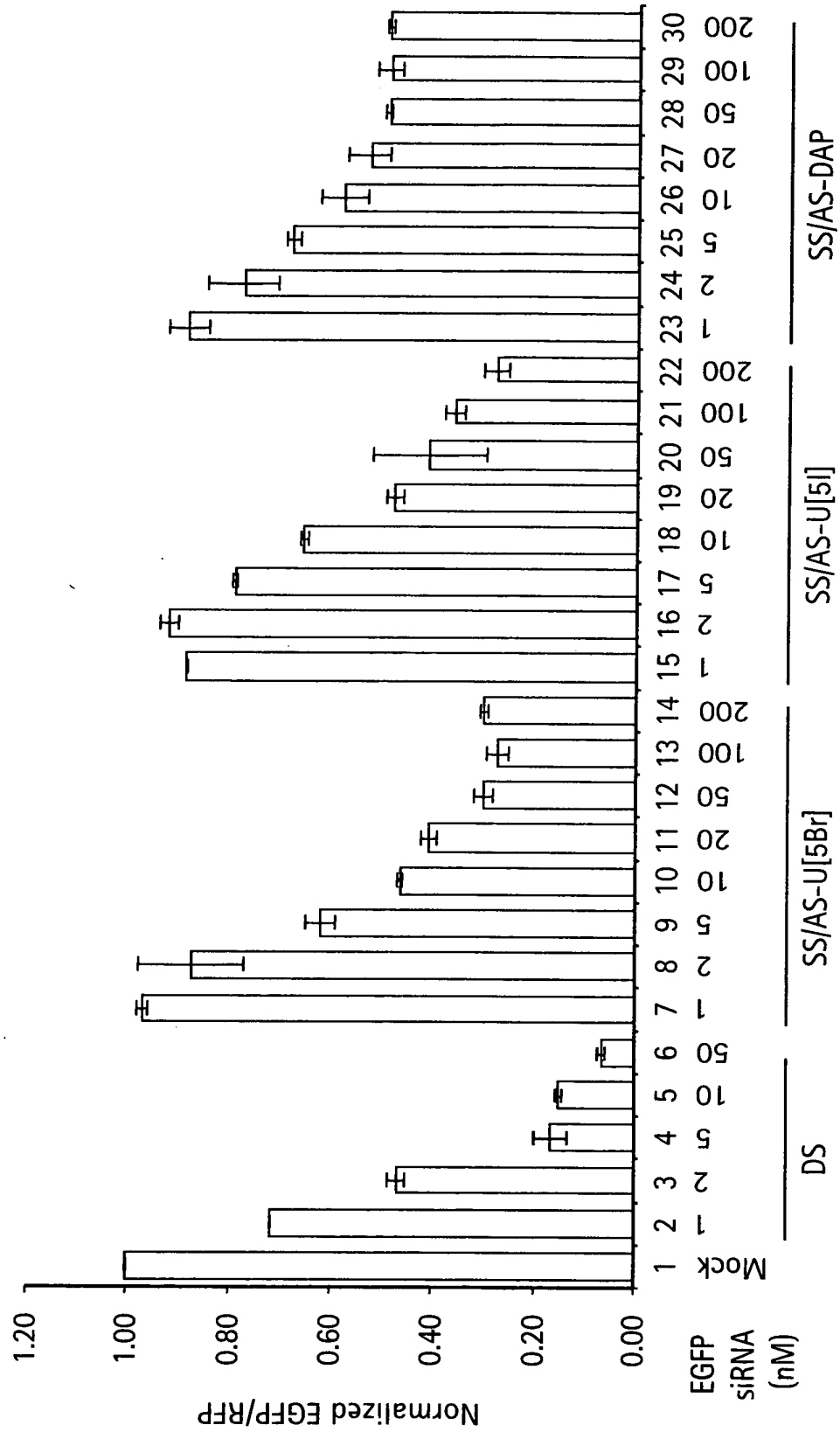
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FIG. 15C



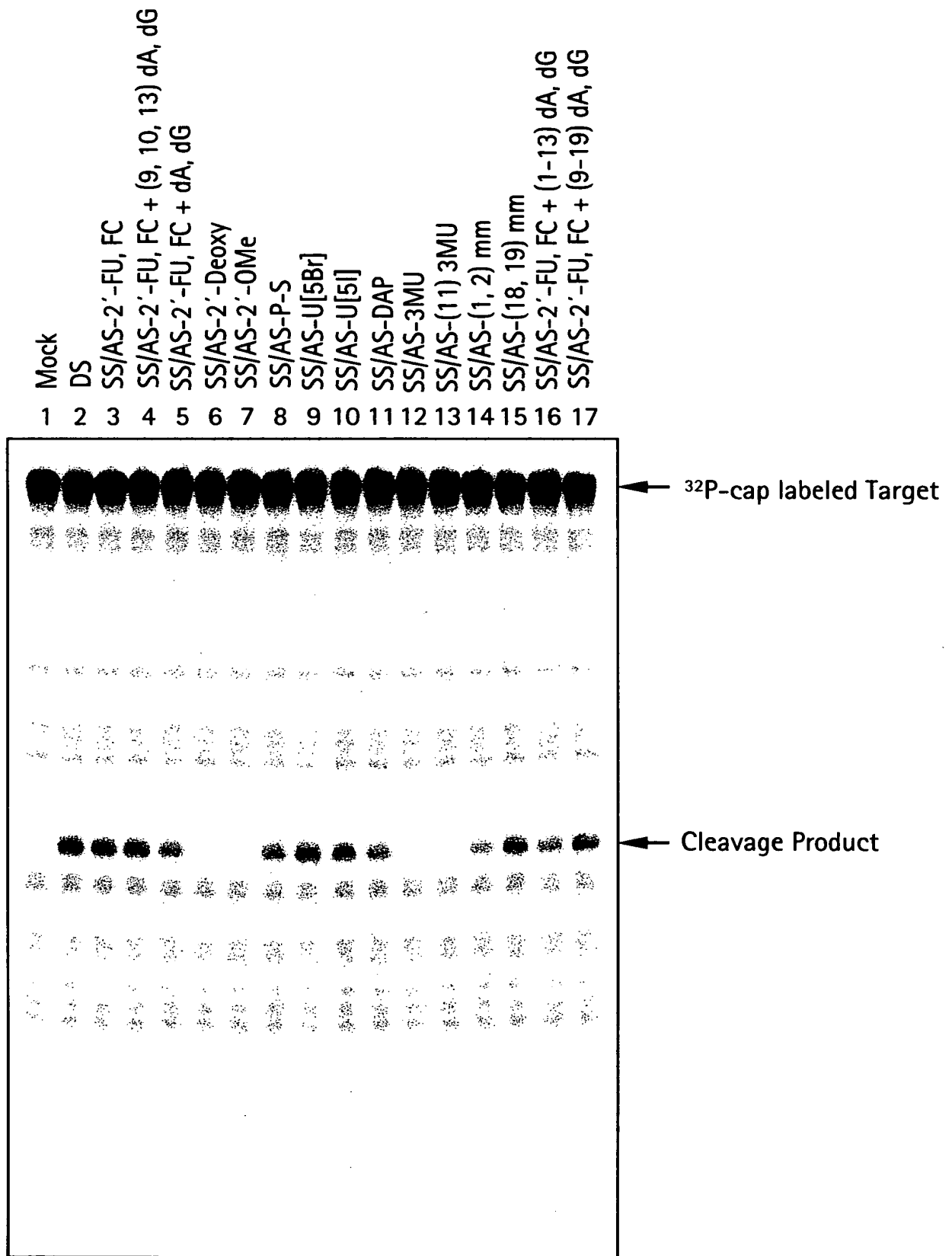
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FIG. 16



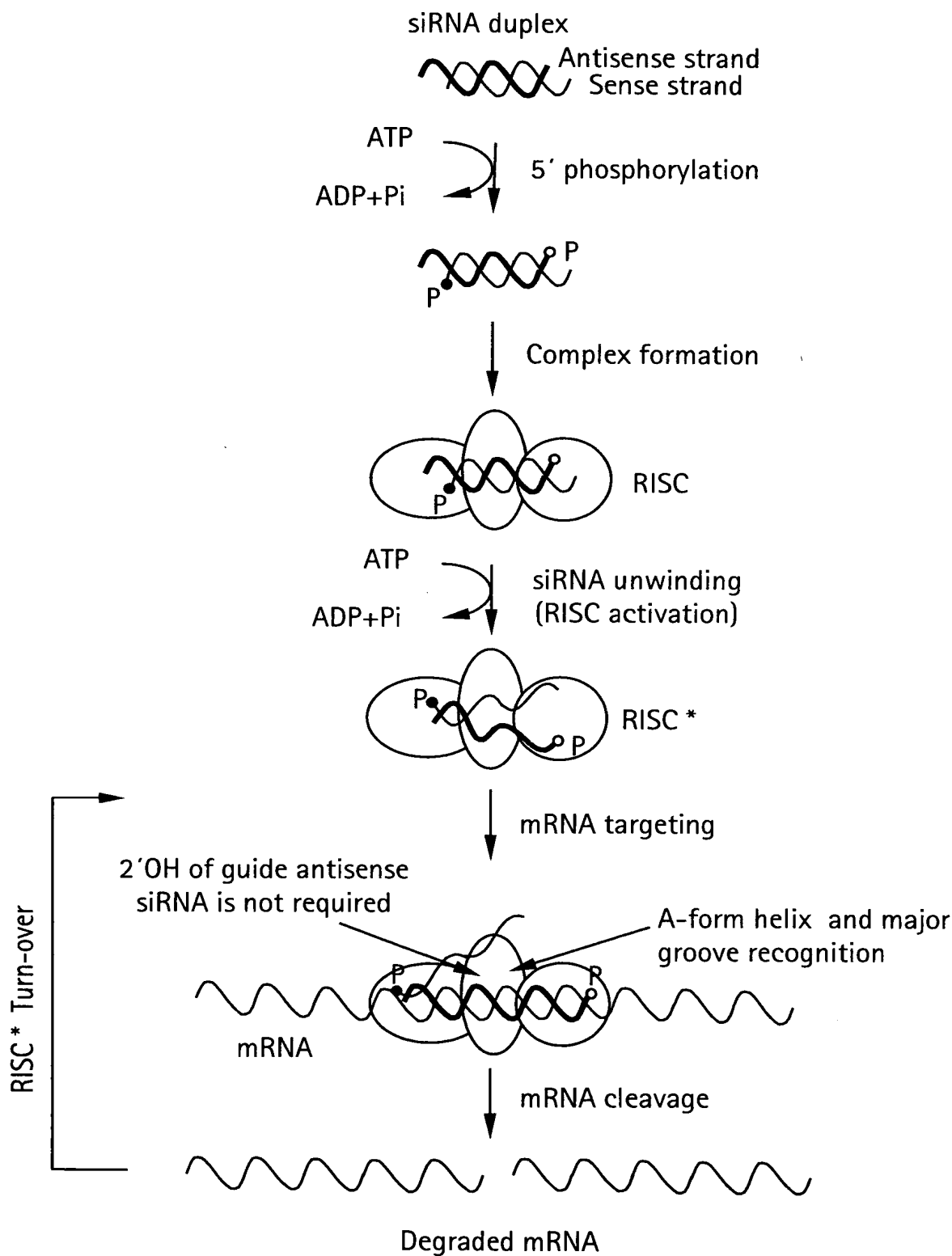
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FIG. 17



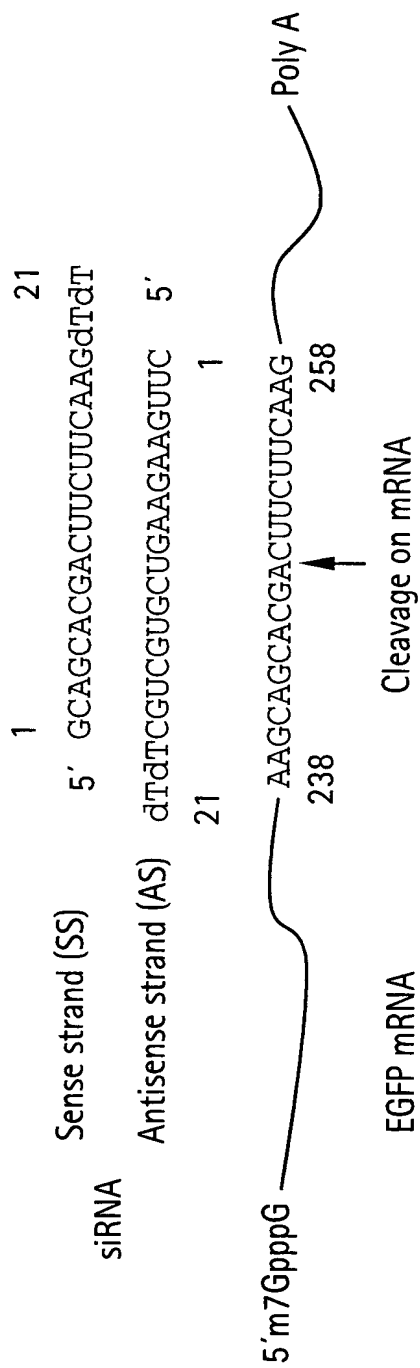
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FIG. 18



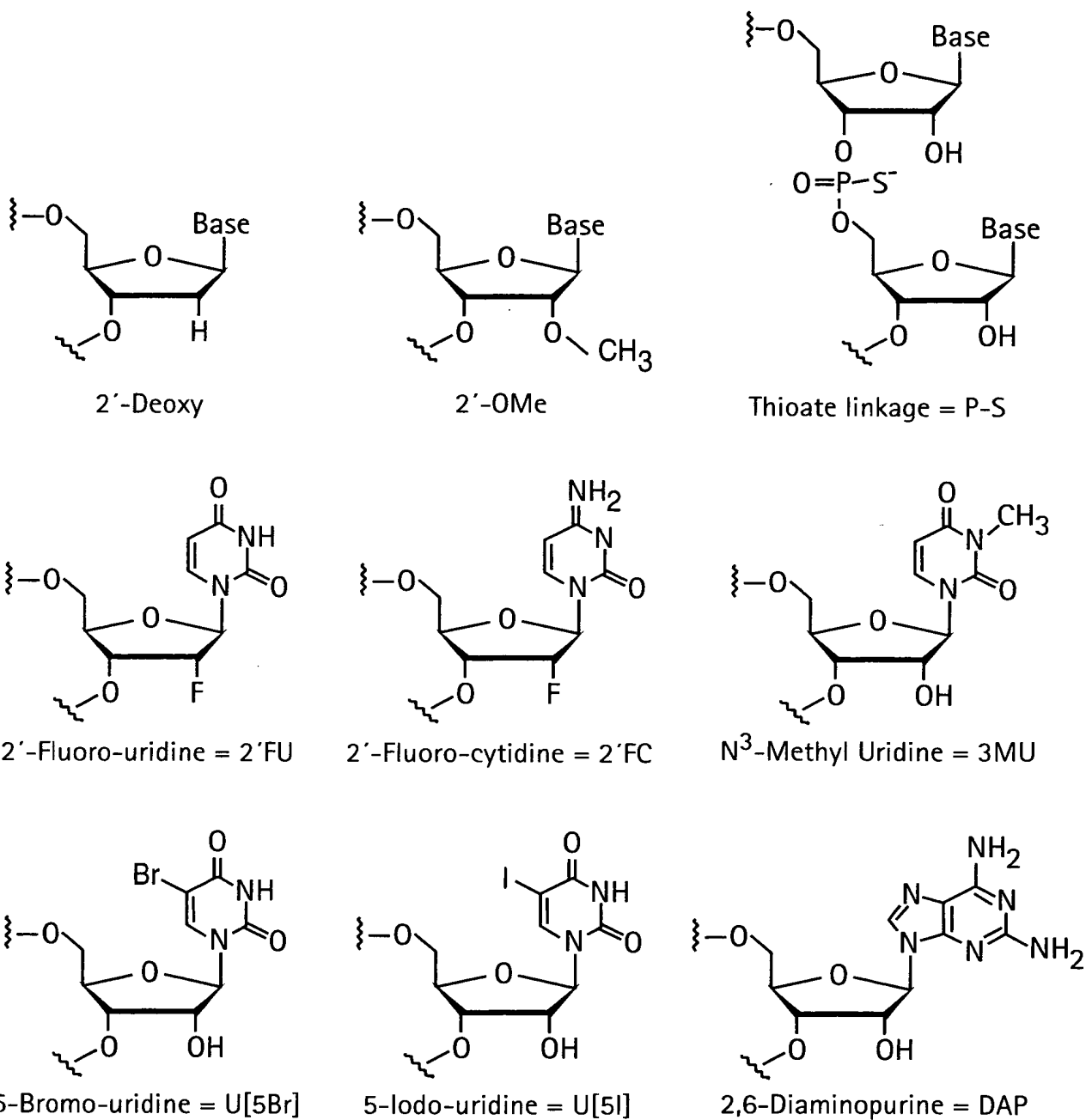
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FIG. 19A



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FIG. 19B



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FIG. 20

Photocleavable Biotin

